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UNITED STATES DISTRICT COURT  
DISTRICT OF OREGON  
PENDLETON DIVISION

OREGON FIREARMS FEDERATION, INC.,  
et al.,

Plaintiffs,

v.

KATE BROWN, et al.,

Defendants.

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MARK FITZ, et al.,

Plaintiffs,

v.

ELLEN F. ROSENBLUM, et al.,

Defendants.

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KATERINA B. EYRE, et al.,

Plaintiffs,

v.

ELLEN F. ROSENBLUM, et al.,

Defendants.

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Civil No. 2:22-cv-01815-IM (*Lead Case*)  
Civil No. 3:22-cv-01859-IM (*Trailing Case*)  
Civil No. 3:22-cv-01862-IM (*Trailing Case*)  
Civil No. 3:22-cv-01869-IM (*Trailing Case*)

CONSOLIDATED CASES

**DECLARATION OF MASSAD AYOOB**

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DANIEL AZZOPARDI, et al.,

Plaintiffs,

v.

ELLEN F. ROSENBLUM, et al.,

Defendants.

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*Attorneys for Plaintiffs*

UNITED STATES DISTRICT COURT  
DISTRICT OF OREGON  
PORTLAND DIVISION

**OREGON FIREARMS FEDERATION, INC.**, an Oregon public benefit corporation;  
BRAD LOHREY, Sherman County Sheriff;  
**ADAM JOHNSON, CODY BOWEN**,  
Union County Sheriff; **BRIAN WOLFE**,  
Malheur County Sheriff; **HAROLD  
RICHARD HADEN, JR.**

Plaintiffs,

v.

**GOVERNOR KATE BROWN**, Governor  
of Oregon, and **ATTORNEY GENERAL  
ELLEN ROSENBLUM**, Attorney General  
of Oregon, and **TERRI DAVIE**,  
Superintendent of the Oregon State Police,

Defendants.

Civil No. 2:22-cv-01815-IM

**DECLARATION OF MASSAD AYOOB**

I, Massad Ayoob, and I am over the age of 18, have personal knowledge of the facts and events referred to in this Declaration, and am competent to testify to the matters stated

below.

1. I have been a competitive handgun shooter since the late 1960s, a published writer in the field of defensive firearms since 1971, and a firearms instructor since 1972. My curriculum vitae is attached as **Exhibit Ayoob-1**. I have testified in a number of cases that list is attached and referenced in **Exhibit Ayoob-1**. I have served for more than thirty years each as handgun editor for Guns magazine and law enforcement columnist for American Handgunner magazine. I served for 19 years as chair of the Firearms and Deadly Force Training Committee for the American Society of Law Enforcement Trainers and have served for 19 years on the advisory board of the International Law Enforcement Educators and Trainers Association. I have served as an expert witness on firearms, firearms training standards, deadly force training standards, dynamics of violent encounters, and related subject matter areas since 1979. I have also been an instructor in disarming and firearm retention (i.e., the countering of a disarming attempt) since 1980 and became a trainer of other instructors in those disciplines in 1990. Served for many years on Board of Trustees of Second Amendment Foundation, named president of SAF in September 2020 and still serve in that capacity. My opinions expressed herein are mine and mine alone.

2. I have been retained to provide my opinion by the Plaintiffs in *Oregon Firearms Federation, Inc. et al v. Brown et al*, Case No. 22-CV-01815-IM and *Eyre et al v. Rosenblum et al*, Case No. 22-cv-01862-IM. I charge \$375.00 per hour for professional services.

3. In my role as a self-defense and weapons expert, including as an expert witness, I have researched incidents of defensive gun uses by law-abiding citizens, including by both private citizens and law enforcement officers. My opinion about defensive guns uses

provided herein are based, in part, on the information I have learned during such research.

4. I was called as an expert witness to testify in the United States District Court for the District of Colorado in *Colorado Outfitters et al. v. John W. Hickenlooper, Governor of the State of Colorado*, Case No. 13-CV-1300-MSK-MJW. Attached is a certified copy of the transcript of my testimony in that matter marked **Exhibit Ayoob-2**. My testimony appears on pages 331 – 401 of the transcript. In that proceeding I testified at length regarding the issues of magazine limitation, the value of high-capacity magazines for self-defense and the impacts persons with some type of physical limitation or disabilities defending themselves with high-capacity magazines. *See Exhibit Ayoob-2 at pp 343 - 401.*

5. Most recently I produced an information and educational video in cooperation with the Wilson Combat YouTube Channel titled “*The necessity of high-capacity magazines. How many rounds are needed?*” discussing the self-defense value for police and civilians of using the high-capacity magazine. As the world has evolved so have the predatory criminals who are well armed, sometimes wearing body armor, and sometimes on narcotics that numb the suspects’ pain receptors. A single round most likely will not stop a criminal. The video may be accessed at: <https://www.youtube.com/watch?v=XJzxp2vuA&t=307s>.

6. Limiting the law-abiding citizen to a magazine of ten rounds or less will clearly limit their ability to protect themselves from violent criminals in certain situations. Such limits on magazine capacity are likely to impair the ability of citizens to engage in lawful self-defense in those crime incidents necessitating that the victim fire many rounds in order to stop the aggressive actions of offenders.

7. An illustrative, real-world example is the case of Susan Gonzalez. She and her husband were attacked by two intruders within their home one night. The attackers shot both



of them multiple times, but she was able to escape to their bedroom where she located her husband's semi-automatic pistol, while her husband bravely physically fought the attackers off into the front room. She entered the room where the attackers were struggling with her husband, and, not wanting to shoot her husband, discharged three warning shots in the air, hoping the attackers would flee. They did not.

8. One attacker charged toward her, causing her to flee back to the bedroom. From an opening in the bedroom, she could see the attacker lying in wait for her in the kitchen. So, she used her knowledge of the house to exit the bedroom and approach the attacker from behind via another door leading to the kitchen. She pointed the pistol at the attacker and discharged seven rounds in his direction, gravely wounding him, but not immediately killing him.

9. The wounded attacker was still able to exit the house aided by his accomplice. The other attacker reentered the house and demanded Mr. Gonzalez give him keys to an automobile to escape. During his search for keys in the bedroom he located Mrs. Gonzalez who was out of ammunition. He put the gun to her temple and demanded the keys, which she gave him.

10. Fortunately, the attacker decided to spare Mrs. Gonzalez's life, but he could have just as easily pulled the trigger. Had she had more rounds in her magazine, maybe she would not have had to leave her fate to chance. It is impossible to say how many more cases where victims lost (or almost lost, as in Mrs. Gonzalez's case), due to having an insufficient amount of ammunition readily available in a self-defense firearm.<sup>1</sup>

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<sup>1</sup> Robert A. Waters, *Guns Save Lives: True Stories of Americans Defending Their Lives with Firearms* 149-59 (2002).

11. The published account of this shooting has Mrs. Gonzalez firing three shots into the ceiling, then seven at the homicidal intruder, and then running dry. This would indicate only ten cartridges at her disposal. The gunfight occurred during the ten-year period when the Federal "high-capacity magazine ban" was in force. The Ruger 9mm pistol she used, designed to hold fifteen cartridges in the magazine and one more in the firing chamber, was sold during the ten-year period of that ban with magazines which could only hold ten rounds. In such a situation, five more shots can make the difference between neutralizing the murderous threat and being rendered helpless with an empty gun at the hands of a law-breaking, homicidal, armed felon.

12. It is difficult to say exactly how many private citizens have actually fired more than ten rounds in a self-defense shooting, because the amount of rounds fired in self-defense shootings, from my experience in researching such incidents, is very often an omitted fact in written accounts of such defensive gun uses. Oftentimes the accounts just say, "multiple shots fired." That could mean more or less than ten, it just cannot be known. This does not seem to be the case, however, with shootings involving police officers, for which, generally the number of shots that were fired is documented. In my experience researching such shootings, officers often fire more than ten rounds. And cases where an individual officer fired less than 10 rounds, but there were multiple officers shooting, can be fairly characterized as involving more than ten rounds, if the multiple officers involved fired over ten rounds in aggregate.

13. Officer-involved shootings are relevant in evaluating private citizen shootings, for the simple reason that private citizens arm themselves for protection against the exact same criminals the police are armed to deal with. Tim Gramins of the Skokie, Illinois police

department was in a shootout with an armed robber whose car he had pulled over. The gunman came out shooting. The gunman was armed with two semiautomatic pistols, one on his person and one snatched from his car, both of which he fired during the gun battle. He also had in his possession a semiautomatic rifle in his car, which he did not deploy. Officer Gramins fired 33 rounds at the gunman, fourteen of which struck the suspect in the body, the gunman continued to fight back against the officer and the gunfight only ended when Gramins fatally wounded the attacker by shooting him in the head three times, stopping the fight. Of the last three rounds fired by Gramins the first two bullets struck his attacker in the face causing maxilla-facial damage but did not penetrate to the brain. It was the third shot to the head that ended the fight. Gramins' assailant had absorbed 17 hits by the time he was neutralized, and the officer had been forced to reload twice. The officer was armed with a Glock Model 21 .45 caliber pistol, loaded with a magazine containing 12 rounds and a thirteenth in the firing chamber. He also had two additional magazines containing 12 rounds each. The officer was down to the last few cartridges in his last magazine at the time he finally won the gunfight. Gramins was wounded in the shooting. As a result of this incident, he now carries a higher-capacity handgun with more spare magazines.<sup>2</sup>

14. While, as mentioned, the number of rounds fired in a self-defense shoot involving a private citizen is usually not documented, there are nevertheless a number of confirmed accounts of private citizens discharging more than ten rounds during a criminal attack. For example, a Baltimore man discharged sixteen rounds from a handgun he was

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<sup>2</sup> See <https://www.thefreelibrary.com/The+lessons+of+Tim+Gramins.-a0441155756> and Charles Remsberg, *Why One Cop Carries 145 Rounds of Ammo on the Job*, PoliceOne (Feb 21, 2020), <http://www.policeone.com/patrol-issues/articles/6199620-Why-one-cop-carries-145-rounds-of-ammo-on-the-job/>



licensed to carry when he was physically attacked by three men, one of whom allegedly had a gun, while in his car carrying thousands of dollars in cash to the bank. One of the assailants died, while the other two fled, one of whom was arrested at a nearby hospital with a bullet wound in the hand.<sup>3</sup> In a similar situation, a South Carolina gun store owner who lived in the rear of his shop was awoken by three men, at least one of them armed, crashing a van into his store. When going to investigate, one of the robbers yelled to another to kill him, so the owner opened fire, discharging thirty rounds, hitting all three attackers, mortally wounding one and causing the rest to flee.<sup>4</sup>

15. Ronald Honeycutt was delivering pizzas when approached by a man with a gun from behind. He turned and fired when he saw a gun in the man's hand, discharging all of his magazine's fifteen rounds, which still did not immediately stop the threat, as the attacker remained upright with the gun pointed at him. But the attacker eventually succumbed to his wounds before being able to rack a round into the firing chamber of his pistol, which he had forgotten to do, and is probably why he was pointing the gun at Honeycutt but never discharged a single round.<sup>5</sup>

16. Additionally, in California, consider the well-documented multiple gunfights with armed robbers experienced by Los Angeles watch shop owner Lance Thomas.<sup>6</sup> More than one of his five shooting incidents required him to fire more shots than California Penal

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<sup>3</sup> Gus G. Sentementes & Julie Bykowicz, *Documents Detail Cross Keys Shooting* (Mar. 20, 2006), <https://www.baltimoresun.com/news/bs-xpm-2006-03-21-0603210220-story.html>

<sup>4</sup> *Gun Shop Owner Shoots, Kills Man During Attempted Robbery*, WIS TV (Aug. 9, 2012), <https://www.wistv.com/story/19236842/gun-shop-owner-shoots-kills-man-during-attempted-robbery/>

<sup>5</sup> Chris Bird, *Thank God I Had A Gun: True Accounts of Self-Defense* 251-74 (2007).

<sup>6</sup> WIS TV, *supra* n. 4.

Code section 32310 would allow to be in any one handgun. California Penal Code section 32310 is California's ten round magazine limit similar to Oregon's Measure 114 magazine limit of ten rounds. In one of those incidents, reports have Thomas firing approximately nineteen shots before the last of his multiple opponents ceased attempting to murder him.<sup>7</sup>

17. Thomas's strategy was to stage multiple loaded handguns every few feet in his workspace. He could do this, as a sole proprietor with a small shop, a workspace closed to the public, and with buzz-in entry. A pair of brothers used the same strategy in defending themselves against two violent career criminals robbing their Richmond, Virginia jewelry store. They went through multiple firearms staged throughout the store placed in anticipation for such an event.<sup>8</sup> The strategy of staging multiple firearms employed by these shopkeepers is a unique circumstance, however, it would not be practical or safe for most shopkeepers or for homeowners, due to the danger of unexpected children wandering behind the counter or unexpectedly arriving at the given home. Thus, most private citizens could not be expected to have multiple handguns in multiple locations in their home or on their person in order to engage in a defensive gun use.

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<sup>7</sup> See Nieson Himmel, *Police Say Watch Shop Owner Kills 4<sup>th</sup>, 5<sup>th</sup> Suspects*

(Feb. 21, 1992), [http://articles.latimes.com/1992-02-21/local/me-2663\\_1\\_watch-shop-owner](http://articles.latimes.com/1992-02-21/local/me-2663_1_watch-shop-owner) ; Massadd Ayoob, *Why Good People Need Semiautomatic Firearms and "High Capacity" Magazines, Part I* (Dec. 29, 2012) <https://www.backwoodshome.com/blogs/MassaddAyoob/why-good-people-need-semiautomatic-firearms-and-high-capacity-magazines-part-i/comment-page-1/> ; Massadd Ayoob, *Why Good People Need Semiautomatic Firearms and "High Capacity" Magazines, Part II* (January 31, 2013) <https://www.backwoodshome.com/blogs/MassaddAyoob/why-good-people-need-semiautomatic-firearms-and-high-capacity-magazines-part-ii/> ; Massadd Ayoob, *5 Gunfighting Myths Debunked*, Personal Defense World (March 29, 2019), <http://www.personaldefenseworld.com/2014/10/5-gunfighting-myths-debunked-Massadd-ayoob/#armed-and-ready>

<sup>8</sup> *Jewelry Store Burglarized, Scene of Deadly 1994 Robbery Attempt*, nbc12.com (2012), available at <https://www.nbc12.com/story/16445849/jewelry-store-burglarized-scene-of-deadly-1994-robbery-attempt/>

18. The homeowner who keeps a defensive firearm and is awakened in the night by an intruder is most unlikely to have time to gather spare ammunition. The sudden and unpredictable nature of such attacks, and their occurring in relatively confined spaces, generally do not permit gathering multiple firearms or magazines. Ideally, one hand would be occupied with the handgun itself, and the other, with a telephone to call the police. And, assuming they even had time for a magazine change, most people do not sleep wearing clothing that would allow them to stow spare magazines, etc. on their person. They would have only what was in the gun.

19. Most plainclothes police officers do not find it practical to carry multiple handguns, let alone private citizens. Any suggestion that private citizens simply carry more guns or more ammunition feeding devices would, for the reasons stated above, be impractical.

20. Criminals bent on causing harm, on the other hand, even assuming they were impeded from obtaining over ten-round magazines by Oregon Measure 114, could simply arm themselves with multiple weapons, and often do.

21. Criminals have time to assess and plan shootings, whereas victims do not. Whitman, the Texas Tower mass murderer, literally brought a large box of rifles, handguns, a shotgun and ammunition to his sniper perch.<sup>9</sup> Harris and Klebold had four firearms between them at Columbine.<sup>10</sup> Holmes in Aurora brought a rifle, shotgun, and pistol into the

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<sup>9</sup> The UT Tower Shooting, Tex. Monthly, *available at* <http://www.texasmonthly.com/topics/ut-tower-shooting>

<sup>10</sup> Mark Obmascik, Marilyn Robinson & David Olinger, Columbine – Tragedy and Recovery: Officials Say Girlfriend Bought Guns, denverpost.com (Apr. 27, 1999), *available at* <http://extras.denverpost.com/news/shot0427a.htm>



theater.<sup>11</sup> Hassan was armed with a pistol and a revolver at Fort Hood.<sup>12</sup> Lanza entered the elementary school in Newtown, Connecticut armed with a rifle and two pistols, leaving a shotgun in his car.<sup>13</sup> The mass murderer Cho entered Virginia Tech armed with two pistols and a backpack full of magazines.<sup>14</sup> The Isla Vista attack was perpetrated by a man carrying two knives and three handguns.<sup>15</sup> The Umpqua Community College shooter carried five handguns with him.<sup>16</sup> The San Bernardino terrorists each had a semi-automatic rifle and handgun.<sup>17</sup> Mateen likewise brought a semi-automatic rifle and handgun with him to perpetrate the Pulse nightclub Massacre in Orlando.<sup>18</sup>

22. None of these murderers' victims had planned to repel an attack by a perpetrator with multiple firearms.

23. The likelihood of the mass murderer arriving on scene with multiple firearms also largely negates the theory that with fewer rounds in the gun, the killer

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<sup>11</sup> Rong Gong Lin II, *Gunman Kills 12 at 'Dark Knight Rises' Screening in Colorado*, L.A. Times (Jul. 20, 2012), available at <https://www.latimes.com/nation/nationnow/la-na-nn-dark-knight-shooting-20120720-story.html>

<sup>12</sup> Associated Press, *Ft. Hood shooter Nidal Hasan Used Private, Legally-bought Pistol - Not Military Weapon - In Rampage*, N.Y. Daily News (Nov. 7, 2009), available at <https://www.nydailynews.com/news/national/ft-hood-shooter-nidal-hasan-private-legally-bought-pistol-not-military-weapon-rampage-article-1.414799> and <https://www.nbcnews.com/storyline/fort-hood-shooting/fort-hood-shooter-bought-weapon-same-gun-shop-tied-2009-n70971>

<sup>13</sup> Steve Almasy, *Newtown Shooter's Guns: What We Know*, cnn.com (last updated Dec. 19, 2012 10:11 a.m. EST), available at <http://www.cnn.com/2012/12/18/us/connecticut-landa-guns>

<sup>14</sup> Virginia Tech Review Panel, *Mass Shootings at Virginia Tech 16, 2007: Report of the Review Panel* 89 (Aug. 2007), available at <https://scholar.lib.vt.edu/prevail/docs/VTReviewPanelReport.pdf>

<sup>15</sup> 2014 Isla Vista Killings, [https://en.wikipedia.org/wiki/2014\\_Isla\\_Vista\\_killings](https://en.wikipedia.org/wiki/2014_Isla_Vista_killings)

<sup>16</sup> Umpqua Community College Shooting, Wikipedia (last updated May 25, 2017 to undo prior revision), available at [https://en.wikipedia.org/wiki/Umpqua\\_Community\\_College\\_shooting](https://en.wikipedia.org/wiki/Umpqua_Community_College_shooting)

<sup>17</sup> Spencer Kimball, *San Bernardino: Guns, Mass Shootings and Fears of Terrorism*, www.dw.com (Apr. 12, 2015), available at <http://www.dw.com/en/san-bernardino-guns-mass-shootings-and-fears-of-terrorism/a-18894313>

<sup>18</sup> Bart Jansen, *Weapons Gunman Used In Orlando Shooting Are High-Capacity, Common*, USA Today (June 14, 2016) <https://www.usatoday.com/story/news/2016/06/14/guns-used-kill-49-orlando-high-capacity-common-weapons/85887260/>



could be more easily disarmed and subdued by unarmed citizens when he first ran empty, before he could reload. I have written two articles explaining why this theory is of dubious merit titled “*Disarming Mass Murders*” and “*The Brunswick Massacre*.” A true and correct copy of “*Disarming Mass Murders*” is attached and marked as **Exhibit Ayoob-3** and a true and correct copy of “*The Brunswick Massacre*” is attached and marked as **Exhibit Ayoob-4**. In sum, Hassan, Holmes, Lanza, or Cho simply could have drawn a second (or third) gun that they had on their persons and shot whoever attempted to grab the empty one. Or in the case of the *Brunswick Massacre* the criminals could simply keep their firearms in a constant state of readiness.

24. Monroe Phillips, a lone gunman, armed with only with a double barrel Parker ten-gauge shotgun, killed five people and wounded thirty-two others in 1915 in what has been dubbed the *Brunswick Massacre*. Phillips employed a technique of constantly keeping his shotgun at the ready by only firing one round, breaking the shotgun open, extracting the spent round, while leaving the second barrel loaded. In this manner he simply needed to snap the shotgun closed if confronted and he would be back in the fight killing and wounding people. Dr. G.W. Blanton, an eyewitness, told the Brunswick News a few days after the shooting, “that he had been waiting for Phillips to run dry so he or someone else could jump him and disarm him, but Phillips never gave them the opportunity.” **Exhibit Ayoob-4** at page 85. We learned over 100 years ago that realistically there is not natural break in the gunfight that allows for the police or a civilian to intervene during reloading and overpower a gunman.

25. The virtuous citizen, by contrast, cannot practically be expected to have accessible that many guns or that much ammunition at a moment's notice. The victimized

citizen is the one who is, therefore, most deleteriously impacted by the magazine capacity limitation. If he or she must use the gun to protect self and family, they will most likely have only the ammunition in the gun with which to fend off determined, perhaps multiple, attackers.

26. Virtuous citizens buy their guns to protect themselves from the same criminals, police carry guns to protect the citizens, the public, and themselves from. Therefore, armed citizens have historically modeled their choice of firearms on what police carry. The vast majority of Oregon law enforcement officers carry pistols with double-stack magazines whose capacities exceed those permitted under Measure 114.

27. The on-duty, uniformed police officer generally will be armed with a service pistol containing a detachable magazine holding more than ten rounds, and generally, two spare magazines holding more than ten rounds on the uniform belt. He or she will normally be wearing body armor, have immediate access to a loaded shotgun and/or loaded patrol rifle with magazines holding more than ten rounds in the patrol car, and will have instant radio access to fellow officers and dispatch if backup help is needed.

28. The off-duty officer and the law-abiding citizen alike are not likely to have that volume of spare ammunition on their person or elsewhere readily accessible. They are not likely to be wearing body armor, nor to be in reach of a rifle or shotgun. Their only communication to potential backup will be by phone, relayed through Police Dispatch to responding officers. Thus, for them, the ability to have a pistol already loaded with a significant amount of ammunition is all the more important.

29. Changing a magazine is a fine motor skill, the type of skill which degrades severely in human beings under stress due to vasoconstriction (loss of blood flow to the

extremities) and also due to tremors induced by internally generated adrenaline (epinephrine). This is a well-known physiological reaction that has been defined as the "fight or flight" response in the medical literature and training literature for a century or longer, by Dr. Walter Cannon at Harvard Medical School before World War I. While a trained marksman or competitive shooter might easily change out a magazine quickly, one to two seconds at most, this is not representative of the average person's skill level. The highly trained marksman and competitive shooter have repeated the physical activity so much that motor function is almost programmed or automatic. They don't have to think about the magazine change they can focus on the threat. When the average person has to think about the activity, the changing of the magazine, under stress that is when it can all fall apart. Based on my own experience as a professional trainer and having reviewed countless shooting encounters, I can attest to the fact that most people, the average gun owner, takes considerably longer time to change a magazine; especially someone who is under the mental duress typically experienced during an attack. Perpetrators of violent crimes pick the time, place and arms they will carry to assault and kill their victims. Victims on the other hand are in a reactive defensive posture and can only respond to the threat with what they have on their person or easy access to.

30. In contrast to the practiced marksmen and competitive shooter when the average person is under stress and required to defend themselves it becomes clear why a standard capacity magazine is so important. When equipped with a full standard capacity magazine of 15 to 20 rounds our victim, by simply pulling the trigger again on a pistol that still has more ammunition in it may do so in a fraction of a second compared to reloading. Forcing our victim to change magazines will cost her time she may not have. In addition, its



fairly common for the average person, who carries a gun in public for self-defense, to only carry the magazine that is in the gun and not a spare magazine. As a trainer I always recommend carrying a spare magazine, but the majority of people do not. Based on my experience in self-defense scenarios, fractions of seconds can mean the difference between the victim successfully repelling an attacker and the victim being subdued. Thus, a magazine change for the person being attacked could be the difference between life and death.<sup>19</sup> The same, however, is not generally true for the attacker. The loss of time for a magazine change is generally of little consequence for the attacker. This is because it is the attacker who gets to choose when, where, how, and whom to attack. So, the attacker is not burdened by the surprise and shock factor that the victim is, as explained above, generally prepared for the confrontation with large amounts of arms and ammunition. This is demonstrated by the multiple mass shootings where the attacker made magazine changes without being subdued. Perhaps the most illustrative example is the Virginia Tech shooting, where the attacker carried with him seventeen magazines for his two semi-automatic pistols, from which he fired 174 rounds.<sup>20</sup> At least five of those magazines had a capacity of only ten rounds and would be legal under Measure 114.<sup>21</sup> While it cannot be said exactly how many magazine changes he made during what was the deadliest mass shooting in the country's history, based on the number of rounds fired and the fact that authorities found seventeen empty magazines at the scene, he had to have made several reloads.<sup>22</sup> Another example is the Orlando Pulse

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<sup>19</sup> Jacob Sullum, *The Threat Posed by Gun Magazine Limits* (Jan. 13, 2013), Available at <https://reason.com/2013/01/16/the-threat-posed-by-gun-magazine-limits/>

<sup>20</sup> Virginia Tech Review Panel, *supra* n. 15, at 92.

<sup>21</sup> *Id.*

<sup>22</sup> *Id.*



Nightclub shooting, where the attacker carried both a Sig Sauer rifle with a 30-round capacity magazine and a Glock 17 pistol with a 17-round capacity magazine.<sup>23</sup> It has been reported that the shooter fired over 202 rounds during his attack.<sup>24</sup> Assuming the attacker used both firearms, and based upon the number of rounds fired, the attacker would have been forced to reload his firearms (and possibly magazines) on at least 5 separate occasions. Despite being in a confined space surrounded by hundreds of men who he was murdering one-by-one, at no point during the attack did anyone in the night club tackle or otherwise subdue the attacker during the several times when he was forced to reload.

31. Supporters of the magazine capacity limitation will undoubtedly point to some firearm expert who is comfortable with an eight- or nine-shot pistol, or even a five- or six-shot revolver. It should be noted, however, that the operative term there is “expert.” The individual who has spent a lifetime training in shooting and may fire hundreds or even thousands of shots on the range per month, has developed a level of skill and confidence that is not practical to expect from the average police officer, let alone the average law-abiding citizen who keeps a firearm in the home or on his person for protection of self and family.

32. A particular subset of law-abiding citizens who are disparately, negatively impacted by Measure 114 is the physically disabled. This is true of many categories of the physically challenged. I discuss this at length in my sworn testimony set out in attached **Exhibit Ayoob-2.**

33. Over recent decades we have seen many war veterans joining the amputee

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<sup>23</sup> Jansen, *supra* n. 19

<sup>24</sup> WFTV-Orlando, *Law Enforcement Source: 202 Rounds Fired During Pulse Nightclub Shooting in Orlando*, wscotv.com (Jun. 13, 2016), available at <http://www.wsocv.com/news/trending-now/law-enforcement-source-202-rounds-fired-during-pulse-nightclub-shooting-in-orlando/340948566>

community. Those who have lost fingers, or a hand will have great difficulty reloading an empty gun if a ten-round magazine does not prove sufficient to defeat an attacker. Work-related injuries such as carpal tunnel syndrome can greatly slow ability to reload. So can many of the infirmities of age: rheumatism, arthritis, bursitis, etc.

34. The wheelchair-bound individual, and many more mobility-challenged individuals (back issues, ankle issues, knee issues, etc.), cannot run to cover to reload. They will be caught in the open if they have to reload in a fight with one or more armed criminals, and thus will become totally helpless as soon as their Measure 114 mandated ten-shot magazine is depleted.

35. Thus, in conclusion, study of events in the real world indicates that Measure 114's restriction on magazine capacity can be expected to have little, if any, effect in reducing casualties due to intentional mass murder. However, law-abiding citizens, certain off-duty and retired criminal justice personnel, families of criminal justice personnel, recipients of death threats, stalking victims, and people working in places of business prone to armed robbery, will be severely disadvantaged by Measure 114 in terms of their ability to lawfully protect themselves and others. This impact will be particularly severe upon members of such groups who are physically disabled.

I declare under penalty of perjury that the foregoing is true and correct.

Executed within the United States on January <sup>5</sup>\_\_\_\_, 2023.

Massad Ayooob  
Massad Ayooob

# **EXHIBIT AYOOB-1**

## *Curriculum Vitae*, **Massad F. Ayooob**

D.O.B. 7/20/48

**Areas of Expertise:** Dynamics of violent encounters, training standards for safe weapons handling (law enforcement/civilian), training standards of firearms and use of force (police/civilian), homicide/use of force investigation, personal and professional security, weapon retention/disarming, law enforcement internal investigation/discipline.

### **Teaching Experience:**

Director, Massad Ayooob Group, 2009-present.

Director, Lethal Force Institute, 1981-2009.

Chair of firearms committee, American Society of Law Enforcement Trainers (ASLET), 1987-2007. Also served on Ethics Committee. Led annual Panel of Experts on firearms/deadly force issues at ASLET's international seminars.

Special Instructor, Chapman Academy, 1981-88.

International Instructor, PR-24 baton; has lectured several times at annual international seminar. Trains other instructors and trainers of instructors.

Advisory Board member, International Law Enforcement Educators' and Trainers' Association, has lectured there on investigation and management of police use of force cases since the organization's inception.

National Instructor, Weapon Retention & Disarming, National Law Enforcement Training Center. Trains other instructors and trainers of instructors. 1990-2009.

Assistant professor teaching weapons and chemical agents, Advanced Police Training Program of New Hampshire, 1974-77.

Co-instructor (w/former world pistol champion Ray Chapman) of Advanced Officer Survival Seminars through Police Marksman Assn., in the 1980s.

International Instructor, Persuader Mini-Baton, certified by Joe Truncale.

Instructor, Kubotan self-defense, certified by Soke Takayuki Kubota.

National Instructor, Telescoping baton, certified by CASCO.



Instructor, straight baton, certified by COPSTK.

Has taught on relevant topics for National, International, and regional seminars of International Association of Law Enforcement Firearms Instructors; regional seminars for CLE credit on defending deadly force cases (NACDL, MA. CDL Assn); International Homicide Investigators' Seminar (investigation of officer-involved shootings and characteristics of self-defense shootings); McGill University School of Medicine (medico-legal aspects of gunshot and knife wounds); officer survival tactics (Ordnance Expo, Los Angeles; National Tactical Invitational; New England SWAT Seminar; DEA National Academy; Metro-Dade Police Academy; DEA/Miami).

***Personal Training***

Smith & Wesson Academy: Advanced Combat Shooting (1<sup>st</sup> in class), Instructor course; Instructor Update (twice); Officer Survival Course (1<sup>st</sup> in class); Weapon Retention instructor course; advanced revolver shooting course.

Glock: Glock Instructor Course; Glock Armorer Course.

Firearms Instructor Courses: National Rifle Association.

Ordnance Expo: Firearms and Ballistic Evidence; Officer Involved Shooting Investigation; Advanced Officer Involved Shooting Investigation; Officer Survival; Management of Barricaded Suspects.

International Police Academy: Defensive Tactics (Unarmed Combat and Restraint) Instructor Course, rated Master Instructor by sensei James Morell.

NYPD: "Hostage Negotiation for Supervisors", "Post Shooting Tactics", "House Clearing Techniques", "Off Duty Confrontation Tactics", "Summary of Violent Encounter Patterns", "Police Shotgun Program."

Advanced Homicide Investigator school, by Vern Geberth, NYPD Ret., author of "Practical Homicide Investigation."

International Homicide Investigators' Seminar (2 occasions)

Medical/Legal Death Investigation (Dade County Medical Examiner's Office)

AELE: "Police Civil Liability Seminar"

PPCT: Pressure Point Control Tactics, taught by Bruce Siddle.

Federal Law Enforcement Training Center: BOSS program including officer survival, intelligence briefings on outlaw bike gangs, booby traps, counter-ambush tactics, arrest techniques.

Escrima (stick- and knife-fighting), Grandmaster Remy Presas.

Knife/Counter-Knife courses: Master Paul Vunak, Hank Reinhardt, Sensei Jim Maloney, Michael de Bethencourt.

Has studied personally with world handgun champions Ray Chapman, Rob Leatham, Jerry Miculek, and Frank Garcia in advanced shooting programs.

**Has studied special units and their training on-site, including but not limited to:**

NYPD Firearms & Tactics Unit, Emergency Services Unit, Armed Robbery Stakeout Unit.

LAPD SWAT, Firearms Training Unit.

FBI Firearms Training Unit.

Metro-Dade Police Firearms/SWAT Training Unit

Illinois State Police Ordnance Section.

NH State Police SWAT, EVOC, Firearms Training.

Kentucky State Police, Firearms Training and SRT Training.

Arizona Highway Patrol Firearms Training.

London, England Metropolitan Police firearms training and special services unit (D.11, PT-17, SO-19).

Has reviewed or audited numerous other law enforcement firearms training programs.

**Associations**

Served for many years on Board of Trustees of Second Amendment Foundation, named president of SAF in September 2020.

**Publication Credits**

***Books:***

“Fundamentals of Modern Police Impact Weapons,” Charles C. Thomas, Publishers, 1978.

“In the Gravest Extreme: the Role of the Firearm in Personal Protection,” Police Bookshelf, 1979.

“Hit the White Part,” Police Bookshelf, 1982.

“The Truth About Self Protection,” Bantam, 1983.

“StressFire,” Police Bookshelf, 1984.

“StressFire II,” Advanced Combat Shotgun,” Police Bookshelf, 1992.

“The Semiautomatic Pistol in Police Service and Self Defense,” Police Bookshelf, 1988.

“Ayoob Files: the Book,” Police Bookshelf, 1995.

“Complete Book of Handguns,” Volume 10 (1993) with completely new volume produced annually through 2009, Harris Publications.

“Gun Digest Book of Combat Handgunnery, Fifth Edition,” Krause Publications, 2002.

“Gun Digest Book of Combat Handgunnery, Sixth Edition,” Gun Digest Books, 2007.

“Gun Digest Book of Combat Handgunnery, Seventh Edition,” Gun Digest Books, 2020.

“Gun Digest Book of SIG-Sauer Pistols,” Krause Publications, 2004.

“Gun Digest Book of Beretta Pistols,” Krause Publications, 2005.

“Gun Digest Book of Concealed Carry,” Krause Publications, 2008.

“Massad Ayoob’s Greatest Handguns of the World,” Krause Publications, 2010.

“Combat Shooting With Massad Ayoob,” FW Media, 2011

“Massad Ayoob’s Greatest Handguns of the World, Volume II,” FW Media, 2012.

“Gun Digest Book of SIG-Sauer, Volume II,” FW Media, 2014.

“Gun Safety in the Home,” FW Media, 2014.

“Deadly Force: Understanding Your Right to Self-Defense,” FW Media, 2014.

“Armed Defense: What the Experts Want You to Know,” Gun Digest Publications, 2017.

***Monographs:***

“Gunproof Your Children,” Police Bookshelf/Potshot Press

“Handgun Primer,” Police Bookshelf/Potshot Press.

“The Police View of Gun Control,” Second Amendment Foundation.

“Armed and Alive,” Second Amendment Foundation.

***Forewords for Authoritative Texts:***

“Mu Tau: The Modern Greek Karate” by James Arvanitis  
 “Realistic Defensive Tactics” by John Peters  
 “Modern Centerfire Handguns” by Stanley Trzoniec  
 “You Can’t Miss” by John Shaw  
 “MasterTips” by Jon Winokur  
 “Effective Defense” by Gila May-Hayes  
 “In Self Defense” by Michael Izumi  
 “The Tactical Pistol” by David Lauck  
 “The Tactical Rifle” by David Lauck  
 “Personal Defense for Women” by Gila Hayes  
 “Lessons From Armed America” by Mark Walters and Kathy Jackson  
 “Armed Response” by Dave Kenik  
 “Rule the Night/Win the Fight” by Ed Santos  
 “Law of Self-Defense” by Attorney Andrew Branca  
 “Defend Yourself” by Rob Pincus  
 “The Newhall Shooting: a Tactical Analysis” by Michael Wood  
 “Surviving a Mass Killer Rampage” by Chris Bird  
 “Gun Digest Book of the Revolver” by Grant Cunningham

### ***Periodicals***

Handgun Editor, *Guns* magazine  
 Law Enforcement Editor, *American Handgunner* magazine  
 Contributing Editor, *Shooting Industry* magazine  
 Contributing Editor, *On Target* magazine  
 Firearms Editor, *Backwoods Home* magazine  
 Associate Editor, *Combat Handguns* magazine  
 Associate Editor, *Guns & Weapons for Law Enforcement* magazine  
 Associate Editor, *Gun Week*

Has published thousands of articles in various professional journals and newsstand periodicals, the overwhelming majority related to law enforcement, weaponry, martial arts and personal defense. Firearms articles have appeared in *Guns*, *American Handgunner*, *Handguns*, *GUNsport*, *Handgunner*, *Home Defense*, *Glock Annual*, *Colt Annual*, *Magnum*, *Gun World*, *Combat Handguns*, and others. Martial arts/unarmed combat articles have appeared in *Black Belt*, *Official Karate*, *Inside Kung-fu*, *Inside Karate*, *Warriors*, *Fighting Stars*, and other such publications. Law enforcement articles have been published in *American Police Beat*, *Law & Order*, *Police*, *Police Product News*, *Sentinel*, *Trooper*, *Patrolman*, *Police Marksman*, *Guardian*, *Guns & Weapons for Law Enforcement*, *Guns & Ammo Law Enforcement Annual*, and other police professional journals and law enforcement related periodicals. Has also been published in *Car & Driver*, *Gentlemen’s Quarterly*, *Man’s Magazine*, *Modern Jeweler*, *New Hampshire Outdoorsman*, *New Hampshire Times*, *Prism*, *Sexology*, *Sports Afield*, and assorted other general interest publications.



### ***Training Films***

“StressFire Handgun,” 2002  
“StressFire Shotgun,” 2002  
“StressFire Rifle,” 2002  
“Deadly Force Cases,” ALI-ABA, 2001  
“Judicious Use of Deadly Force,” 1990  
“Post Violent Event Trauma,” 1990  
“LFI Handgun Safety,” 1990  
“Off Duty Survival,” 1993  
“Shoot to Live,” 1986  
“How Close is Too Close,” 1986  
“Cute Lawyer Tricks,” 1986  
“Physio-Psychological Aspects of Violent Encounters,” 1981  
Has appeared in various other training films.

### ***Quoted as authoritative reference in:***

FBI Journal  
“Law Enforcement Handgun Digest” (Grennell)  
“Gun Digest Book of Combat Handgunnery, 1<sup>st</sup> edition (Lewis & Mitchell), 2<sup>nd</sup> and 3<sup>rd</sup> editions (Karwan)  
“Shooting Schools: An Analysis” (Winter)  
“Street Survival: Tactics for Armed Encounters,” (Adams, McTernan, Remsberg)  
“Tactical Edge: Tactics for High Risk Patrol” (Remsberg)  
“Handgun Retention System” (Lindell)  
“The Street Smart Gun Book” (Farnam)  
“Police Handgun Manual” (Clede)  
“Police Shotgun Manual” (Clede)  
“High Tech SWAT Weapons” (Bane)  
“PR-24 Baton Manual” (Starrett)  
“Police Officers Guide” (Clede)

Cited as authoritative reference in numerous other publications.

### ***Career Accomplishments***

Voted Outstanding American Handgunner of the Year, 1998.

Winner of first annual National Tactical Advocate Award, 1995, awarded by American Tactical Shooting Association.

Winner of the Roy Rogers Award for promotion of firearms safety.

Winner of first George C. Nonte Award for excellence in firearms journalism, 1978.

***Firearms Qualifications and Awards***

Combat Master, NRA Police Revolver

First 5-gun Master, International Defensive Pistol Association

Master, Revolver, National Marksman Sports Society

Master, Automatic, National Marksman Sports Society

Class A, International Practical Shooting Confederation

Grand Mastershot, UK Practical Shooting Association

Master Blaster, Second Chance

Expert, NRA Action Shooting

Honorary Distinguished Expert, Federal Law Enforcement Training Center

Several times top shooter in statewide NH police combat matches, 1973-2003

Five times New England Regional champion in various handgun disciplines

Co-winner with daughter Justine, National Champion Parent/Child Team, National Junior Handgun Championships, 1998

Has won numerous individual/local combat shooting tournaments, has completed successfully in five countries.

***Law Enforcement Experience***

Hooksett (NH) Police Dept.: 1972-73, auxiliary policeman. 1973-1980, fully sworn Police Officer. Duties under four chiefs included patrol, firearms training, community relations and crime prevention assignments, dept. firearms instructor for most of this period. Served in part time capacity with full police authority.

Deerfield (NH) Police Dept.: 1982-1990. Fully sworn officer, rank of Sergeant ('82-'84) in charge of all police training, and Lieutenant ('84-'90), in charge of police training and crime prevention activities. Served in part time capacity with full police authority.

Grantham (NH) Police Dept.: 1990-2017. Fully sworn Captain and Police Prosecutor, in charge of training, research, and other administrative functions. Served in part time capacity with full police authority.

***References available upon request.***

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[massadayoob@aol.com](mailto:massadayoob@aol.com)

## **EXHIBIT AYOOB-2**



THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF COLORADO

Civil Action No. 13-CV-1300-MSK-MJW

COLORADO OUTFITTERS ASSOCIATION,  
COLORADO FARM BUREAU,  
NATIONAL SHOOTING SPORTS FOUNDATION,  
MAGPUL INDUSTRIES,  
COLORADO YOUTH OUTDOORS,  
USA LIBERTY ARMS,  
OUTDOOR BUDDIES, INC.,  
WOMEN FOR CONCEALED CARRY,  
COLORADO STATE SHOOTING ASSOCIATION,  
HAMILTON FAMILY ENTERPRISES, INC.,  
d/b/a FAMILY SHOOTING CENTER AT CHERRY CREEK STATE PARK  
DAVID STRUMILLO,  
DAVID BAYNE,  
DYLAN HARRELL,  
ROCKY MOUNTAIN SHOOTERS SUPPLY,  
2ND AMENDMENT GUNSMITH & SHOOTER SUPPLY, LLC,  
BURRUD ARMS INC. D/B/A JENSEN ARMS,  
GREEN MOUNTAIN GUNS,  
JERRY'S OUTDOOR SPORTS,  
SPECIALTY SPORTS & SUPPLY,  
GOODS FOR THE WOODS,  
JOHN B. COOKE,  
KEN PUTNAM,  
JAMES FAULL,  
LARRY KUNTZ,  
FRED JOBE,  
DONALD KRUEGER,  
STAN HILKEY,  
DAVE STONG,  
PETER GONZALEZ,  
SUE KURTZ,  
DOUGLAS N. DARR,

Plaintiffs,

vs.

JOHN W. HICKENLOOPER, GOVERNOR OF THE STATE OF COLORADO,

Defendant.

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**REPORTER'S TRANSCRIPT**

TRIAL TO COURT - DAY TWO

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1 Proceedings before the HONORABLE MARCIA S. KRIEGER,  
2 Judge, United States District Court for the District of  
3 Colorado, continuing at 8:37 a.m., on the 1st day of April,  
4 2014, in Courtroom A901, United States Courthouse, Denver,  
5 Colorado.

6  
7 **APPEARANCES**

8 RICHARD A. WESTFALL and PETER J. KRUMHOLZ, Attorneys  
9 at Law, Hale Westfall, LLP, 1600 Stout Street, Suite 500,  
Denver, Colorado, 80202, appearing for the Plaintiffs.

10 DOUGLAS ABBOTT, Attorney at Law, Holland & Hart, LLP,  
11 555 17th Street, Suite 3200, Denver, Colorado, 80202, appearing  
for the Plaintiffs.

12 MARC F. COLIN, Attorney at Law, Bruno, Colin & Lowe  
13 P.C., 1999 Broadway, Suite 3100, Denver, Colorado, 80202,  
appearing for the Plaintiffs.

14 ANTHONY JOHN FABIAN, Attorney at Law, 510 Wilcox  
15 Street, Castle Rock, Colorado, 80104, appearing for the  
Plaintiffs.

16 DAVID BENJAMIN KOPEL, Attorney at Law, Independence  
17 Institute, 727 East 16th Avenue, Denver, Colorado, 80203,  
appearing for the Plaintiffs.

18 MATTHEW DAVID GROVE, LEEANN MORRILL, KATHLEEN L.  
19 SPALDING, and STEPHANIE LINDQUIST SCOVILLE, Assistant Attorneys  
General, Colorado Attorney General's Office, Ralph L. Carr  
20 Colorado Judicial Center, 1300 Broadway, Denver, Colorado,  
80203, appearing for the Defendant.

21  
22  
23  
24 THERESE LINDBLOM, Official Reporter  
25 901 19th Street, Denver, Colorado 80294  
Proceedings Reported by Mechanical Stenography  
Transcription Produced via Computer

Massad Ayoob - Direct

1                   **(MASSAD AYOOB, PLAINTIFFS' WITNESS, SWORN)**

2                   *COURTROOM DEPUTY:* Please be seated.

3                   Please state your name and spell your first and last  
4 name for the record.

5                   *THE WITNESS:* Certainly. My name is Massad Ayoob,  
6 first name is spelled M-A-S-S A-D, last name spelled,  
7 A-Y-O-O-B.

8                   *MR. COLIN:* Thank you.

9                   **DIRECT EXAMINATION**

10                  *BY MR. COLIN:*

11                  *Q.* Good morning, Mr. Ayoob.

12                  *A.* Good morning, Mr. Colin.

13                  *Q.* Mr. Ayoob, you are a retained expert in this case; is that  
14 accurate?

15                  *A.* I am.

16                  *Q.* And you charge for your services?

17                  *A.* I do.

18                  *Q.* Can you advise the Court as to the cost of your services.

19                  *A.* The same as I charge to teach, \$2,500 a day and expenses.

20                  *Q.* Is that what you're charging the plaintiffs in this case?

21                  *A.* It is.

22                  *Q.* All right. Can you describe for the Court your background,  
23 training, and experience, please.

24                  *A.* Certainly. As relates to this case, I've been a firearms  
25 instructor since 1972 for police and since 1981 for private

Massad Ayoob - Direct

1 citizens.

2 Q. And can you describe what you instruct police and private  
3 citizens in with regard to firearms, please.

4 A. We begin with safety, the responsibility that comes with  
5 the weapon; the operation of the gun; the efficient use of the  
6 gun, in terms of accuracy, speed, sustainability of gunfire;  
7 the tactics that accompany it, since the emphasis is on  
8 self-defense. So that will include movement, that will include  
9 finding cover, that is, something that could stop opposing  
10 gunfire.

11 Q. And you mentioned that at least some of the training I  
12 think you just described is in the context of self-defense; is  
13 that accurate?

14 A. That is virtually all in the context of self-defense.

15 Q. Can you expand on that and explain what you mean, this  
16 training is in the context of self-defense.

17 A. Sure. We don't teach how to win a bull's-eye target pistol  
18 match. We're teaching the police officer who is carrying the  
19 gun as a tool of protection. And the private citizen who is  
20 carrying a very similar gun for a similar function,  
21 essentially, the -- we teach the private citizen to think of  
22 himself as a first responder and that his gun should be an  
23 analog to a fire extinguisher.

24 The gun, like a fire extinguisher, is a symbol of a  
25 public safety professional. We remind them that possession of



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1 that symbol does not make them a public safety professional,  
2 does not mean that they don't need public safety professionals.  
3 We make it clear that the gun, like the fire extinguisher, is  
4 an emergency rescue tool to cut a lane of safety for you and  
5 others until the designated professionals can get there to deal  
6 with the crisis.

7 Q. Overall, does the self-defense training that you're  
8 describing involve the dynamics of violent encounters?

9 A. Oh, it absolutely does. And the techniques that we teach  
10 are built from extensive research and study of dynamics of  
11 violent encounters, things such as flight-or-fight response,  
12 human action/reaction paradigms, things of that nature.

13 Q. I'd like to explore your teaching experience for a moment,  
14 if I could. How long have you been engaged specifically in the  
15 instruction of self-defense with firearms and dynamics of  
16 violent encounters?

17 A. Forty-two years, sir.

18 Q. Can you describe your teaching experience. What is the  
19 context in which you have instructed individuals in those  
20 areas?

21 A. Certainly. I began teaching a local police department in  
22 1972, Hooksett, New Hampshire, H-O-O-K-S E-T-T. Shortly  
23 thereafter, I was retained to teach weapons and chemical agents  
24 for the advanced police training program of New Hampshire in  
25 Nashua, New Hampshire. Began teaching civilians in 1981 after

Massad Ayooob - Direct

1 a pilot program at the Chapman Academy of Practical Shooting in  
2 Columbia, Missouri. And in October of that year, founded  
3 Lethal Force Institute. That organization was geared to  
4 provide training to private citizens on a law enforcement level  
5 in terms of safety, competence, and responsibility in  
6 self-defense with firearms. Within a year, that became pretty  
7 much my full-time occupation, and has been ever since.

8 Q. Are you still involved in the Lethal Force Institute?

9 A. No, sir. I left there in 2009 and now teach through Massad  
10 Ayooob Group.

11 Q. Can you explain briefly the nature of that change.

12 A. Strictly a business decision.

13 Q. Are you a member of any committees, training councils, and  
14 the like, either nationally or international?

15 A. Yes, sir. I've spent -- I've been a member for many years  
16 of the International Association of Law Enforcement Firearms  
17 Instructors. I've taught for them at local, regional,  
18 national, and two international seminars. For 19 years, I was  
19 chair of the firearms committee for the American Society of Law  
20 Enforcement Trainers. For the last eleven years, I've been on  
21 the advisory board for the International Law Enforcement  
22 Educators and Trainers Association. That's where I came from  
23 this week, in fact, having taught there last week.

24 Q. Do you participate in the National Law Enforcement Training  
25 Center in any way?

Massad Ayoob - Direct

1 A. Yes, sir. The National Law Enforcement Training Center is  
2 headquartered in Kansas City, Missouri. It's an institution  
3 that focuses on teaching -- well, my side of it, at least, was  
4 teaching gun retention and disarming, teaching how to take the  
5 gun away from another person, from an offender. And gun  
6 retention is the corollary science to that, how to defeat the  
7 man who is trying to take your gun away from you with felonious  
8 purpose.

9 I began as an instructor -- certified by them as an  
10 instructor in 1980 and as a -- what they called a national  
11 instructor, meaning I trained and certified other instructors.  
12 I was certified for that in 1990, and I've done a great deal of  
13 that over the years.

14 Q. So you've been teaching other instructors how to teach for  
15 20 years or more?

16 A. Yes, sir. Well, for at least that. I've also done that in  
17 the baton training discipline with the PR24 baton, but I didn't  
18 think that was relevant to the case at bar.

19 Q. Specifically, you've been engaged in instructing law  
20 enforcement and civilians in defensive tactics involving  
21 firearms use for the last 40 years; is that fair to say?

22 A. Forty-two, I think.

23 Q. Okay. You touched upon the training that you have given.  
24 Can you touch upon the training that you have received,  
25 specific to the areas that you've just been speaking to.

Massad Ayooob - Direct

1 A. Certainly. At Chapman Academy, I took the advanced pistol  
2 course, became involved with them, did our pilot project for  
3 armed citizens in 1981. And until the late 1980s, their head  
4 instructor, Ray Chapman, the world pistol champion, he and I  
5 taught for the Police Marksman Association, going around the  
6 country doing what they called an advanced officer survival  
7 program for various police agencies.

8 Let's see. My own training, six or seven times  
9 through Smith & Wesson academy and various instructor or  
10 instructor enhancement programs.

11 In the 19 years with American Society of Law  
12 Enforcement Trainers, I attended all but two of the five or six  
13 day-long annual seminars, and have attended all 11 of the  
14 IOEETA seminars, many of the seminars at the International  
15 Association of Law Enforcement Firearms Instructors. 1980 or  
16 so, I went through the officer safety and survival program at  
17 the Federal Law Enforcement Training Center in Brunswick,  
18 Georgia. Numerous other seminars over the years around the  
19 country.

20 On the homicide investigation side, the basic and  
21 advanced officer-involved investigation school, taught by the  
22 commanders and members of the LAPD officer-involved shooting  
23 investigation unit. The advanced homicide school -- advanced  
24 homicide investigative school taught by Vernon Geperth,  
25 G-E-P-E-R-T-H, the author of the authoritative text in the



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1 field. And the medical, legal investigation of death course  
2 taught at what was then the Metro Dade Medical Examiner's  
3 Office. Twice attended and twice taught at the International  
4 Homicide Investigators seminar as well.

5 Q. Have you been published in the area specific to the  
6 expertise that we're discussing now, the areas of self-defense  
7 and use of firearms, defensive gun uses, dynamics of gun  
8 encounters?

9 A. Yes, I am.

10 Q. Can you advise the Court of the nature of those  
11 publications, please.

12 A. Certainly. The first article in a gun magazine was 1971.  
13 Became more extensively involved in writing after that for  
14 various law enforcement professional journals, martial arts  
15 journals, and gun magazines. For 30 some years now I've been  
16 the law enforcement editor for *American Handgunner* magazine.  
17 My duties there include occasional feature articles, in every  
18 issue, the Cop Talk column, which is basically focused on law  
19 enforcement handgun trends and training issues. Also each  
20 issue I do a series called Ayoob Files, where we dissect an  
21 actual gunfight and determine what lessons were learned from  
22 that that could prevent tragedy in the future.

23 I've been handgun editor for *Guns Magazine* for, again,  
24 30 some years. Many of those articles focus on self-defense,  
25 though the occasional one will focus on sport or gun

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1 collecting.

2 I've been firearms editor for *Backwoods Home Magazine*  
3 since about 1996. My column there is sometimes self-defense,  
4 sometimes recreation or hunting or gun safety.

5 I write in every issue of *Guns & Weapons for Law*  
6 *Enforcement* the first responder column, which is geared to the  
7 first officer who arrives at the scene, who is often the only  
8 one who is there long enough to contain a fast-breaking scene.

9 For many years I've also done the self-defense and the  
10 law column for *Combat Handguns Magazine*. And my work has  
11 appeared in various other periodicals over the years.

12 There have also been several books, a dozen or  
13 fifteen -- I'd have to count them up -- all of them related in  
14 some way to weapons or self-defense.

15 Q. Can you identify a few of these dozen or so books that  
16 you've written that focus specifically on the area of defensive  
17 use of firearms and the dynamics of violent encounters?

18 A. Certainly. One would be *In the Gravest Extreme*, subtitled  
19 *The Role of the Firearm in Personal Protection*. That came out  
20 in 1980 and has probably been my best seller. Some were kind  
21 enough to call it an authoritative text.

22 Others that would -- there was two in the Stressfire  
23 series. Stressfire is what I named the shooting system we  
24 teach, because -- we found most training had been based on the  
25 instructors going to the shooting range, timing each other, and

Massad Ayoob - Direct

1 scoring their targets, and figuring whatever worked best is the  
2 most accurate on the range, we would teach to the officers.  
3 And we had found that would break down in the field because it  
4 had not taken into account human factors of stress, shaking  
5 hands, tunnel vision, and all of that. So what we attempted to  
6 do there was to study what happened to the human being in a  
7 near-death experience and backspace developing techniques  
8 around that.

9 That led to the *Stressfire Pistol Book* in early 1980s,  
10 *Stressfire Shotgun* in the late 1980s. Other books out today,  
11 two editions of the *Gun Digest Book of Combat Handgunnery*,  
12 *Ayoob on Combat Shooting*, two editions now of *Gun Digest Book*  
13 *of Concealed Carry*, and most recently a book dedicated to  
14 firearm safety.

15 Q. Let's move on to training films. Do you produce or are you  
16 involved in the production of training films associated with  
17 training civilians and law enforcement how to engage in  
18 defensive gun uses in violent encounters?

19 A. Yes, sir.

20 Q. And can you describe for the Court the nature of those  
21 training films, please.

22 A. One is titled *Physio-Psychological Aspects of Violent*  
23 *Encounters*. And it explains phenomena such as tunnel vision,  
24 auditory exclusion, or tunnel hearing, tachypsychia --

25 T-A-C-H-Y-P-S-Y-C-H-I-A -- the sense of things going into slow

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1 motion. We explain also what some of the physiological effects  
2 are as heart rate increases, vasoconstriction occurs, physical  
3 strength increases, but dexterity decreases.

4 Other films in the Stressfire series, we had  
5 *Stressfire I*, for the handgun; *Stressfire II*, for the shotgun;  
6 and *Stressfire III*, for the semiautomatic rifle and fully  
7 automatic weapon. More recently, Panteao Productions,  
8 P-A-N-T-E-A-O, has released my film on home protection and  
9 self-defense and a training film on concealed carry. There are  
10 others out there. For eight seasons I was on Personal Defense  
11 TV, touching on self-defense topics of various kinds.

12 Q. How long were you on Personal Defense TV?

13 A. That was eight years. The series ended early this year. I  
14 don't believe it's going to be renewed for the late 2014  
15 season.

16 Q. With regard to the publications that you listed, have you  
17 written any articles that deal specifically with the use of  
18 firearms by disabled or otherwise infirm, handicapped  
19 individuals?

20 A. Yes, I've written a few that touch on that and -- a few  
21 that were devoted to that and many that touched on that.

22 Q. Are you familiar with the Wounded Warrior Project?

23 A. Yes, I am.

24 Q. And what is your involvement, if any, in publishing for the  
25 Wounded Warrior Project?



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1 A. I don't publish for Wounded Warrior. I have written about  
2 the programs they have as it relates to firearms.

3 While Wounded Warrior does not advertise it, there are  
4 several gun clubs that have, essentially, done benefit shoots  
5 for soldiers and Marines who come back from the current  
6 conflict seriously injured or as amputees. It gives them a  
7 chance to shoot firearms, something that, you know, most of  
8 them identified with based on their careers. Let them know,  
9 yeah, you can get back into hunting, you can get back into  
10 target shooting, and here is how to adapt.

11 Q. Does the training also include how to adapt for defensive  
12 gun use purposes?

13 A. Mine does. I'm not sure Wounded Warrior goes that far into  
14 the tactics.

15 Q. All right. Have you ever been retained previous to today  
16 to provide expert testimony in any court proceedings?

17 A. Yes. I've been an expert witness in weapon-related and  
18 deadly force related cases since 1979.

19 Q. Can you estimate how many cases that involved?

20 A. It's in the dozens. I don't know the exact number.

21 Q. When you say "in the dozens," a couple dozen, more than  
22 that?

23 A. It would be 40 or 50 where I've given sworn testimony; a  
24 great many more that I've consulted on and did not take the  
25 case; and many were, we would do a report, and it ended in

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1 settlement or dismissal.

2 Q. Thanks for the clarification. Did any of those cases in  
3 which you have rendered expert testimony involve persons with  
4 injuries, disabilities, infirmities of some kind that were  
5 relevant to the litigation?

6 A. There were none exactly like this case that resulted in  
7 legislation that became the focus of the legislation. Some --  
8 there were more than one disparate impact case of female law  
9 enforcement officers who have been fired for failure to  
10 qualify. And there were physiological aspects involved,  
11 typically, hands that were too small for the male-oriented guns  
12 that they had been issued.

13 There have been self-defense cases where injury  
14 inflicted on the individual who shot in self-defense had  
15 created a disparity of force element that needed to be  
16 explained to the juries. There were -- I can think of at least  
17 one case where the victim was a 63-year-old handicapped female,  
18 violently attacked by a 1.8 percent blood alcohol 240-pound  
19 male and was charged with either murder two or manslaughter  
20 because she fired three bullets into an unarmed man, and that  
21 needed to be explained.

22 Q. What were you originally asked to evaluate in connection  
23 with this case?

24 A. Primarily, the disparate impact of a magazine limit on  
25 handicapped individuals in terms of firearms kept for

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1 self-defense and home defense, whether carried on the street or  
2 whether with a gun permit or whether kept in the home and  
3 deployed in the home.

4 Q. You've given us an overall general description of much of  
5 your training and experience in the area of firearms defensive  
6 gun uses and the dynamics of violent encounters. Can you tell  
7 us what specific training and experience you have that  
8 qualifies you to render opinions regarding the impact of  
9 magazine limitations on both able and disabled bodied  
10 individuals?

11 A. Sure. From the beginning when I started teaching cops in  
12 1972, while they were all able-bodied, except for the  
13 occasional case, we'd have the injured officer on light duty  
14 who still had to qualify on the range, one of the things that  
15 we had to look at was, the very fact that the officer needed to  
16 shoot meant he was likely in a gunfight. He might well be  
17 seriously wounded and might often have been wounded at the  
18 very beginning of the fight if he was ambushed. So we have to  
19 look at what I called wounded officer response techniques.  
20 What do you do if one hand, one arm has been rendered  
21 inoperable? What do you do if the effect of the first couple  
22 of shots have put you on your back, or you started in the  
23 patrol car, can't get out of the patrol car because a bullet  
24 has broken your hip? Those techniques served very well in the  
25 '80s, when I started teaching civilians, and started getting

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1 students who were physically handicapped to various degrees.

2           There was a great deal of crossover. There was some  
3 things that did not cross over, and we simply analyzed their  
4 situation and reached out to others who had dealt with  
5 handicapped shooters and worked on finding the most efficient  
6 ways to deal with them, both in terms of techniques and in  
7 terms of mechanics, in terms of guns that in one way or another  
8 might make up for their physical disability.

9 Q. Did the training that you provided to these able-bodied and  
10 disabled individuals, whether they were law enforcement or  
11 civilians, include defensive tactics in the use of --  
12 apologize, poorly phrased. Did it include the use of firearms  
13 in defensive gun use situations, both inside the home and  
14 outside the home?

15 A. Yes. The -- virtually all of the training I've done has  
16 been focused on the firearm as a defensive instrument, as  
17 opposed to a recreational tool or an instrument of sport.

18 Q. Is there any difference to the training that you provide to  
19 civilians, whether able-bodied or disabled, as to defensive  
20 tactics inside the home versus outside the home?

21 A. Yes, there would be. Situationally, if you're outside the  
22 home, by definition, if you're resorting to a firearm, that  
23 means you're licensed to carry a gun, and you have one either  
24 on your person or immediately within reach. So we'll work with  
25 them on drawing the gun from discreet concealment and being



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1 able to reload. We strongly emphasize that we feel anyone  
2 carrying a gun without spare ammunition is carrying a temporary  
3 gun. So we teach them how to carry a spare magazine or a spare  
4 speed loader, if they're carrying a revolver. But in the home,  
5 there are relatively few people who keep their gun on all the  
6 time when they're in their own domicile.

7 Q. You mean on their person when you say "keep the gun on"?

8 A. No. What I'm saying is, most people do not keep their gun  
9 on when they're at home. They will typically when they're in  
10 their domicile have it stored in one or another fixed, static  
11 location. Perhaps a quick-release gun safe; perhaps a home  
12 where you don't have to worry about children running around,  
13 simply in the nightstand.

14 For them it's not a matter, when danger comes on them  
15 suddenly to simply reach under their coat. They may have to go  
16 into another room to get at where the gun is, they may have to  
17 go down the hall to get at where the gun is. So now their  
18 mobility becomes a much more critical factor in their ability  
19 to defend themselves. If when the alarm goes off, or the door  
20 kicks off, or the window breaks, every second that they're  
21 trying to get the wheelchair down the hall to where the gun is,  
22 is going to be more vulnerability. So we tell them, once they  
23 have been able to get their hand on the gun, things are going  
24 to be happening fast. They're going to have to be -- hopefully  
25 with a Bluetooth if they have one on already -- communicating

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1 with the police. But mostly, one hand is going to be occupied  
2 with some sort of telephone communication device.

3           They're not going to have time to strap on a gun belt  
4 with an ammunition pouch, and they're not going to have time to  
5 grab a spare magazine or speed loader. Essentially, what they  
6 have in that gun is going to be probably all they're going to  
7 have from the beginning to the end of fight that occurs. So we  
8 tell them, for the home defense gun in particular, it makes  
9 sense to have higher cartridge capacity than some other  
10 applications.

11 Q. And the comparison, then, to defensive gun use outside the  
12 home, how is your training or -- how is the advice that you  
13 give to able-bodied and disabled shooters different, if it is?

14 A. Well, again, in terms of the magazines and such, we would  
15 be advising the person in the wheelchair, for example, to have  
16 a higher-capacity gun. The reason is, the ambulatory person --

17           If I may stand for a moment to demonstrate.

18 Q. Sure.

19 A. The ambulatory person can be almost like a uniformed police  
20 officer. If you look at the next cop you see on the street,  
21 the duty belt is going to have gear all the way around it, all  
22 the stuff they have to carry. You'll see a lot of people -- a  
23 lot of ordinary folks will carry their pager behind their belt  
24 or something else behind their belt. Your guy in a wheelchair  
25 is very restricted on that, particularly if he's paralyzed from

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1 the waist down, and most particularly if he's paralyzed from  
2 the chest up.

3 If I lean back now against some hard object that is  
4 behind my hip --

5 Q. Mr. Ayoob, I'm really not getting into wheelchair-bound  
6 individuals right now. I'd like you to respond to the question  
7 about any difference in the training that you give to students  
8 for defensive gun uses outside the home versus inside the home.  
9 You had spoken to larger firearms magazines, availability and  
10 those kinds of things. Is that any different in terms of  
11 outside the home?

12 A. Well, outside the home, yes, because he's probably going  
13 to -- if they're in the wheelchair, again, they're going to  
14 have limitations. There is only so much you can get in that  
15 very small space that you're taking around with you. And as I  
16 was saying, you can't put any of it behind your backs. You've  
17 got to put all of it in the front.

18 If you found room for the gun -- that's not that tough  
19 to do. Finding room for the gun and spare ammunition is much  
20 more difficult in the more limited waist space. What I was  
21 trying to get at is, that would be one more reason for them,  
22 we'd be suggesting they get a higher-capacity gun. They will  
23 have much more difficulty reloading in the wheelchair than  
24 would an ambulatory person, as well.

25 Q. Thank you. Do students bring their own firearms to your

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1 classes?

2 A. The students normally will bring their own firearms,  
3 correct.

4 Q. And do you give them direction on what firearms to bring to  
5 class, or do they select those on their own?

6 A. Unless they ask, we simply tell them to bring the guns they  
7 use for personal protection.

8 Q. Have the -- has the equipment or the firearms that have  
9 been most popular with your students changed over the years?

10 A. Yes, they have.

11 Q. Can you describe that, please.

12 A. Over the last ten, twenty years, we've seen a much stronger  
13 trend towards semiautomatic pistols and, particularly, the  
14 pistols with relatively higher magazine capacity.

15 Q. When did that take place?

16 A. We started seeing it in the 1980s, and it was actually kind  
17 of concurrent with the law enforcement switch from the old  
18 service revolver to the semiautomatic service pistol. And we  
19 saw it more still in the '90s. And today, the polymer-framed  
20 pistol, usually 9 millimeter, occasionally larger calibers, is  
21 by far the most popular type that we'll see in a civilian  
22 course.

23 Q. Can you estimate the percentage of students annually that  
24 bring semiautomatic pistols to your class these days, in the  
25 last ten years?

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1 A. If we cover all semiautomatics, it would be in the high  
2 90th percentile. We do see the occasional revolver, but in  
3 many classes there's not a revolver on the firing range.

4 Q. Does the shift that you just described, the change in  
5 popularity of handguns from revolvers to semiautomatics, affect  
6 your training?

7 A. We have to put more emphasis on avoiding what is called  
8 colloquially spray and pray. When someone suddenly goes from a  
9 six-shot gun to an eighteen-shot gun, it's -- particularly if  
10 fire power was the reason for the decision, it's real easy to  
11 get the idea that the fire power was the *raison d'être*. And  
12 that means, if I ever have to pull this thing out, I better  
13 hose all 18 rounds and hope something sticks; hence, spray and  
14 pray.

15 And we told them, no, shoot it as if you had the  
16 old-fashioned six shooter and you just have a greater reservoir  
17 of ammunition. The reservoir of ammo is not to hose the area;  
18 it's to allow you to stay in the fight longer if the fight gets  
19 particularly complicated and ugly.

20 Q. Can you provide examples of the most commonly used firearms  
21 brought by civilians and law enforcement officers to your  
22 training classes in the last ten years.

23 A. Yeah. Some of the most popular brands will be the Glock,  
24 the Smith & Wesson military and police semiautomatic, and to a  
25 slightly lesser extent, but I'm seeing it increase, the



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1 Springfield Armory XD series.

2 Q. As to the Glock series, can you identify the most popular  
3 Glock model that you see in your classes.

4 A. The most popular I see in the class is the Glock 17. It's  
5 their service-sized 9-millimeter pistol with 17-round magazine.

6 Q. You also mentioned the M&P, the military and police?

7 A. Yes, sir.

8 Q. How many rounds is that?

9 A. Again, 9 millimeter, that would be a 17-round magazine.

10 Q. And then you also mentioned the Springfield XD series.

11 A. Yes, the original XD, full-sized service pistol with the 15  
12 or 16 -- I'd have to go back and look. What we're seeing more  
13 is the updated version of that gun, the XDM, which in full size  
14 is a 19-shot magazine, in the 9 millimeter. Of course, all of  
15 them would have one more cartridge in the firing chamber when  
16 kept loaded.

17 Q. What percentage of students these days, in the past ten  
18 years, bring revolvers to self-defense class?

19 A. It's tiny percent. As I've said, I see classes where there  
20 is not a revolver in sight. I think in the last year, the most  
21 revolvers I ever saw in a class was three or four, in classes  
22 of 20 to 40 people.

23 Q. I want to move into some mechanical discussions regarding  
24 the differences between a semiautomatic firearm or handgun and  
25 a revolver. All right.

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1           Your Honor, we have brought some dummy firearms into  
2 the courtroom. I'd like the clerk to provide those to the  
3 witness at this time for this demonstration.

4           *THE COURT:* Have they been marked as demonstrative  
5 exhibits?

6           *MR. COLIN:* They have not at this time, Your Honor.  
7 We brought them in this morning, didn't --

8           *THE COURT:* Well, let's get them marked.

9           *MR. COLIN:* We'll do that. I think we're at 93.  
10          There is a semiautomatic you want to use?

11          *THE WITNESS:* The blue one.

12          *MS. MORRILL:* Your Honor, we have not seen this  
13 demonstrative. We'd ask to see it before it is handed to the  
14 witness.

15          *THE COURT:* I'm sorry?

16          *MS. MORRILL:* We have not seen this demonstrative  
17 exhibit before. We would like to see it before it is handed to  
18 the witness.

19          *MR. COLIN:* Sure.

20          *THE COURT:* Fine, you can see it.

21          *MR. COLIN:* The blue revolver and the blue  
22 semiautomatic.

23          *THE WITNESS:* Yes, I think there is only one revolver,  
24 should be blue, as I recall, blue semiautomatic.

25          *THE COURT:* Mr. Keech, would you present those to

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1 defense counsel, please, so that they can see them.

2 *COURTROOM DEPUTY:* Yes, Your Honor.

3 *BY MR. COLIN:*

4 Q. Okay. Can you describe how semiautomatic firearms,  
5 semiautomatic handguns in specific, are similar to or different  
6 from a revolver, mechanically.

7 A. Certainly. The dummy here in my left hand is apparently  
8 produced by Odin Press, O-D-I-N. But they're designed  
9 originally for handgun retention and disarming instruction, for  
10 obvious safety reasons.

11 This is a cast dummy of the gun in battery. When I  
12 say "in battery," the parts are in alignment for firing.  
13 Because it's cast, there are, obviously, no moving parts. So  
14 bear with me, because that compounds the difficulty of the  
15 demonstration.

16 Once the gun is loaded, the part I'm indicating here  
17 is the cylinder. Essentially, a rotary drum that rotates on an  
18 axis. The pulling of the trigger straight back over a long  
19 pull that would go from the at-rest position I'm indicating  
20 here to the back of the trigger guard will inside the gun cause  
21 a part called the cylinder hand to engage a ratchet inside the  
22 gun at the back of the cylinder. That will turn the cylinder,  
23 rotating it. As the mechanism brings the hammer back, the  
24 hammer -- which I'm indicating here -- will rise before it  
25 falls. The next cartridge in the cylinder, which in this sized

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1 gun there would be six chambers with six cartridges, will  
2 rotate under that hammer. When the trigger pull is completed,  
3 the hammer falls, the firing pin strikes the primer and the  
4 cartridge, and the bullet is propelled through -- out of the  
5 chamber through the barrel and toward the target.

6 To unload the gun, the part I'm indicating here, the  
7 cylinder release latch, would have to be pressed in a certain  
8 direction. This is a dummy copy of a Smith & Wesson combat  
9 magnum, and that brand is pressed forward.

10 Simultaneously, the other hand or some force has to  
11 push the cylinder to the left to bring it out of the frame.  
12 The cylinder assembly will now swing out and will be located  
13 where I'm indicating here to the Court with my hand. The  
14 ejector rod of -- the stick-like projection in front of the  
15 frame that I'm indicating here, is a part of the cylinder  
16 assembly and will swing out with it.

17 To eject the spent -- the six spent empty casings that  
18 will be in the chamber located at the back of the cylinder,  
19 that rod has to be pressed or struck toward the cylinder. The  
20 ejector star, which is part of the ratchet, now comes back out  
21 of the cylinder and drives those cartridges out, and they'll  
22 fall to the ground.

23 So get it reloaded, visualize the cylinder was still  
24 outside the frame. If we had just loose ammunition in a pouch,  
25 most people would have to reload one cartridge at a time,

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1 chamber per chamber, so six separate complicated motions of  
2 getting the -- a small, narrow cartridge into the chamber. A  
3 dexterous, experienced shooter can load them two at a time.

4           There is a device called a speed loader, which holds  
5 all six cartridges in a circle, that allows them to be loaded  
6 at once. Because it's the diameter of the cylinder, it's very  
7 bulky and relatively few people find they can comfortably,  
8 discreetly carry them concealed.

9           Once those are in, if it's a speed loader, the loader  
10 has to be released, and it will then be allowed to fall away.  
11 The firing hand will come back to the grip, and the other hand  
12 will close the cylinder of the revolver. And as we've noted,  
13 it's a fairly complicated procedure.

14           The semiautomatic pistol, demonstrated here with a  
15 Ring's brand, R-I-N-G apostrophe S, blue gun. This one is cast  
16 with polymer. The primary parts will be the frame -- which I'm  
17 indicating here -- in which the magazine -- which I'm  
18 indicating here -- would be housed. The barrel would be inside  
19 the slide -- which I'm indicating here -- riding on a spring  
20 guide rod with a recoil spring inside the gun. The trigger --  
21 which I'm indicating here -- is pulled, the pistol fires. The  
22 recoil force of that shot going off will drive this whole slide  
23 assembly back on the frame. The extractor -- which I'm  
24 indicating here -- is a hook that will catch the inside edge of  
25 the cartridge, the spent casing, and drag it back until it is



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1 punched out through the eject port -- which I'm indicating  
2 here -- by the ejector, which is a little stub that is inside  
3 the gun. In other words, the cartridge is dragged back by this  
4 by the extractor hook and is then bumped by the fixed ejector  
5 to kick it out.

6 At that point, the slide will have reached its  
7 rearward point of movement. It will no longer be blocking the  
8 spring-loaded magazine in which the remaining cartridges are  
9 stacked, and the spring will now drive the next cartridge up in  
10 front of the slide. As the recoil spring does its reciprocal  
11 movement, brings the slide back forward, it will carry that  
12 cartridge back into the firing chamber. It happens in an  
13 instant, and the gun is ready to fire. If you watch it happen,  
14 most people can't actually see the slide moving; they just see  
15 the spent casing sticking out of the gun.

16 To unload -- to reload once it's run empty, most  
17 pistols will usually lock their slides to the rear when they're  
18 empty to signal to the shooter that it's time to reload.

19 To -- may I stand?

20 *THE COURT:* Sure.

21 *THE WITNESS:* Okay. To get the -- we have to do what  
22 we did with the revolver, get the old empty stuff out and the  
23 new fresh stuff in. With the semiautomatic, we now have an  
24 empty magazine that will be released by pressing the magazine  
25 release button. This, as in most guns, it's in the form of a

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1 button behind the left side of the trigger guard. The magazine  
2 will now fall away, or if it's stuck, the shooter will flip it  
3 out. The shooter will grasp a fresh magazine, insert it in one  
4 motion. The difference is, here, we were inserting six tiny --  
5 six exact size objects into six exact size holes, and with a  
6 speed loader, trying to do it all simultaneously. Here, it's  
7 more of a gross motor skill than a fine motor skill. We have  
8 one relatively larger object going into one relatively larger  
9 area.

10 The magazine is inserted until it clicks and seats.  
11 If the slide is locked to the rear, either tugging back on it  
12 will release it forward, or just coming up with the thumb and  
13 touching the part I'm indicating here, the slide release lever,  
14 will allow the slide to close, chamber the round, and complete  
15 the reloading cycle.

16 The difference would be, reloading the revolver would  
17 look in sequence like this. Reloading the semiautomatic would  
18 be a much simpler sequence that would look like this.

19 *BY MR. COLIN:*

20 *Q.* During the course of your comparative testimony, you  
21 mentioned trigger pull and trigger distance with regard to the  
22 revolver, but not the semiautomatic. Are they the same between  
23 the two?

24 *A.* No. There are two different issues, and they do tend to be  
25 different between the two types of guns.

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1 Q. What are the differences on those?

2 A. On the revolver, we have a long, heavy pull. The reason  
3 is, mechanically, the index finger, the trigger finger,  
4 bringing the trigger back is performing multiple functions.  
5 It's driving the cylinder hand upward to rotate the cylinder  
6 against resistance; it's bringing the hammer back against the  
7 resistance of a very strong main spring that will be located  
8 inside the grip frame. And, typically, your double-action  
9 service revolver will have a trigger pull weight of 9 to  
10 12 pounds. I've seen some that ran 14 pounds. It's also a  
11 longer stroke, because to get all of that mechanical work done,  
12 basically, we need some distance for the lever-shaped trigger  
13 to move.

14 With the semiautomatic, it -- you can get -- most  
15 designs will have a lighter, easier trigger pull, at least for  
16 most shots. In this pistol, the M&P, it's striker fired, so  
17 there is no hammer that needs to be raised and lowered. It's a  
18 much shorter trigger stroke that tends to be lighter. The  
19 factory spec for trigger pull weight on this gun for a duty or  
20 defense pistol is 6.5 pounds.

21 Q. You've done a demonstration for us, you've given us a  
22 mechanical description of the differences between a revolver  
23 and firearm, have you performed any tests to determine which  
24 is -- which can be reloaded more quickly and efficiently?

25 A. Yes.

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1 Q. And can you describe those for the Court, please.

2 A. Yeah, over the years, I've lost count of how many thousands  
3 of people I've observed reloading both revolvers and  
4 semiautomatics in 40 some years of shooting competition and  
5 shooting training. It is inarguable that the same individual  
6 is going to be able to reload the semiautomatic faster than he  
7 is the revolver. It's simply a less complicated task with  
8 fewer movements involved.

9 Q. Why does the amount of time required for reload matter?

10 A. Because it -- assuming real world and not sport, every  
11 second the defender cannot fire is a second of absolute  
12 helplessness. The longer the reload process takes, the longer  
13 they are helpless against an armed opponent.

14 That becomes magnified in a situation where the hands  
15 are trembling, fine motor skill is being lost. The revolver is  
16 more dependent on fine motor skill than is the semiautomatic.  
17 And, overall, when you're reloading, you're vulnerable.

18 I think the easiest way to explain it is, if it was a  
19 boxing match, if someone said for X numbers of seconds you have  
20 to lower your arms and not punch or block while your opponent  
21 is allowed to punch, you would have just turned into a punching  
22 bag, and for that period of seconds would take blow after blow  
23 until they finally got the knockout blow, and you are going to  
24 be unconscious on the mat.

25 That same -- that same dynamic occurs in the reloading

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1 process. While you're unable to fire the gun, since it's not  
2 been reloaded yet, you are the equivalent of the boxer with his  
3 hands at the side. The opponent does now have you turned into  
4 a target instead of a threat to flee. And with impunity, he  
5 can be sending his blows with a gun or knife at you until he  
6 gets the knockout blow that leaves you dead.

7 MR. COLIN: Thank you. Your Honor, this would be a  
8 good time for the noon break.

9 THE COURT: All right. Then we'll stand in recess,  
10 and we'll stand in recess until 1:30 this afternoon.

11 Is there anything we need to take up before our noon  
12 break?

13 MR. COLIN: No. Not from the plaintiff.

14 THE COURT: Okay. All right. Then we'll stand in  
15 recess until 1:30.

16 (Recess at 11:56 a.m.)

17 (Hearing continued at 1:33 p.m.)

18 THE COURT: Please resume.

19 MR. COLIN: Thank you, Your Honor.

20 BY MR. COLIN:

21 Q. Mr. Ayoob, we've gone through your knowledge of the  
22 mechanical functioning of both revolver and semiautomatic  
23 pistol. I'd like to move now on to how that's applied.

24 Do you teach civilian shooters and law enforcement  
25 officers, both able-bodied and not, how to perform magazine



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1 exchanges swiftly, efficiently?

2 A. We do.

3 Q. For how long have you been providing that kind of  
4 instruction?

5 A. For 42 years.

6 Q. Can you estimate how many students you've taught how to do  
7 tactical, standard, or any other kind of magazine exchanges  
8 involving semiautomatic firearms?

9 A. Countless thousands.

10 Q. And did you say law enforcement since 1970 something, and  
11 civilians after that?

12 A. Law enforcement since '72; private citizens since '81.

13 Q. Based upon that experience, can you tell us how long it  
14 take an average shooter, able-bodied, to perform a magazine  
15 exchange?

16 A. With some proper training fresh in their mind, they'll  
17 probably average around four to six seconds. Of the more  
18 dexterous, the more expert, the naturals, if you will, the ones  
19 with more experience, will probably go two to three seconds.

20 Q. Can you provide an average time for disabled shooters?

21 A. We cannot. The reason is the range of disabilities is  
22 simply too far to figure out an average.

23 Q. Describe what kind of considerations you have to take into  
24 account when dealing with developing a training program for a  
25 disabled shooter to effect a magazine exchange swiftly and

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1 effectively.

2 A. Sure. The first thing that we have to do is analyze what  
3 the shooter's disabilities are, and just as important, what  
4 abilities he or she still has. The disabilities may range from  
5 the guy who is palsied due to age or neurological problems or  
6 nerve damage. The very rapid insertion of the magazine that  
7 would be easy for an able-bodied person sitting in here becomes  
8 a nightmare for him, because both the feeding hand and the  
9 receiving hand are shaking. It's going to take him much  
10 longer, and proportionately longer still with the revolver,  
11 with smaller cartridges going into smaller receptacles.

12 Overall, we look at, where is the disability? The  
13 upper body disabilities, the upper limbs, whether it's hands,  
14 arms, upper body strength issues, I see that when I'm  
15 teaching the shooting of the gun, use of the guns, as a  
16 profound disability in that respect.

17 The other element we have to look at is the lower  
18 body, disabled knees, ankles, perhaps someone who has no  
19 feeling at all in their legs. That becomes an issue of  
20 tactical mobility. We can --

21 Q. Before we get to that, I want to -- I certainly want to  
22 speak to that issue. I want to get there by laying foundation  
23 before we can talk about it.

24 I'd like you to explain why -- if we're only talking  
25 about two to three seconds for an expert or four to six seconds

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1 for a typical civilian, an average civilian shooter -- if we're  
2 only talking about two to six seconds, what is the big deal?  
3 Why does it make a difference?

4 A. Remember, we're teaching them on the range to operate  
5 life-saving emergency rescue equipment. When they actually  
6 need the skill, it will be during an ongoing attack. Every  
7 second that they are unable to respond is a second of absolute  
8 total helplessness. We often -- when we're looking at time on  
9 one side, we always have to look at time on the other. The  
10 opponent is up and running. It has been well established in  
11 firearms training literature for decades now that the average  
12 person can pick up one of these guns -- here, I'm holding the  
13 dummy revolver. And even with its long trigger stroke back and  
14 its long stroke forward to reset, if you start timing from the  
15 first shot, the average person can fire four shots in about --  
16 four shots in about one second.

17 The semiautomatic pistol, the majority of models which  
18 have the shorter trigger stroke, like this M&P I'm now  
19 demonstrating with, shorter back, shorter forward, less  
20 distance equals less time and more output. The average  
21 person -- not the expert, not the master, the average person,  
22 will get off five shots in the first second. Some people if  
23 they're fast will get off six. That means the other person has  
24 six chances to kill you or six chances to kill the people  
25 you're protecting if you are unable to stop them.

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1           If, instead of having to take that -- that, whether  
2   it's two-second, four-second, or ten-second reload, if you had  
3   enough cartridges in the gun that it had not run dry, that you  
4   could simply keep shooting, average break time -- that is, the  
5   elapsed time between shots -- is going to be a fourth to a  
6   fifth of a second. So we're balancing several seconds,  
7   multiple whole seconds of vulnerability for you and those  
8   within the mantle of your protection against the ability to  
9   return a shot and hopefully end the danger in a quarter of a  
10   second.

11   Q. Now I want to get to the area you were about to speak to  
12   with regard to upper and lower body disabilities if we could.  
13   You have instructed, have you not, over the last 40 years,  
14   individuals with both kinds of disabilities, meaning upper body  
15   disabilities and lower?

16   A. I have.

17   Q. Can you tell us how many physically challenged, disabled,  
18   infirm shooters that you have instructed over the last 40  
19   years?

20   A. It will go maybe one out of twenty with what I would  
21   consider a profound disability in terms of shooting, the really  
22   severe tremors in the hands, an arm that does not work, missing  
23   digits from the hands, missing whole fingers from the hands,  
24   and the occasional missing hand or missing arm.

25   Q. Is --

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1 A. It's at least twice that for the lower body disabilities.  
2 A few times a year, every year, in civilian classes, we'll have  
3 someone who is in a wheelchair. There are many more whose  
4 lower body disabilities don't show up until I ask them to shoot  
5 from a cover position. And most of the cover positions are  
6 low, such as a kneeling position or a deep-cover crouch. The  
7 guy who you don't notice any disability when he's just walking  
8 around casually, now in his bad knee, his replacement hip, his  
9 fused ankle, whatever come into play, he can't do it. He can't  
10 get down behind that cover. He doesn't have that protective  
11 place, that safe harbor, that safe haven where he's going to  
12 have the few seconds to reload the gun. He may be caught in  
13 the open, and the only thing he can stop the opposing fire with  
14 is his own return fire.

15 Q. So it sounded to me like you have two categories of  
16 disabilities, at least in your mind. You used the term  
17 "profoundly disabled."

18 A. From my perspective as a firearms instructor, yeah. I'm  
19 not looking at what a doctor would call profoundly disabled;  
20 I'm looking at what me teaching the student this particular  
21 skill is a profound handicap to overcome.

22 Q. And you said, roughly 5 percent of your students over the  
23 last 40 years have fallen into that category?

24 A. Roughly 5 percent, yeah.

25 Q. And then you said there is another category. Can you give

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1 us an estimate of how many students fall into this other  
2 disability category.

3 A. What I would call the tactically disabled. The people who  
4 move very slowly, the people who may not be able to move at all  
5 if they're in a manually operated wheelchair, or the people  
6 with lower limb injuries or disabilities that are in positions  
7 where they cannot take cover behind something like an engine  
8 block or a heavy stove during a home invasion or something like  
9 that. And that would be about twice as many.

10 Q. So another 5 to 10 percent?

11 A. Probably, yeah.

12 Q. Okay. Do you provide separate training classes for  
13 disabled shooters, infirm shooters?

14 A. I do not. The reason is, there is such a wide range of  
15 disabilities, there is no one curriculum that will fit them  
16 all. So we integrate them often with special needs assistance  
17 into our regular programs.

18 Q. In the regular programs in which you allow disabled  
19 shooters to participate, is there training to able-bodied  
20 students in those classes that is similar to the training that  
21 is received by these disabled folks?

22 A. Yes. In the first level in police training and the second  
23 level in our civilian training, we'll get into the wounded  
24 defender techniques. The situation where you walked into the  
25 thing able-bodied, a gunshot went off, now one of your arms no



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1 longer works, now your leg has crumpled under you and no longer  
2 works. How do you transition from this hand to that hand,  
3 let's say, for the police officer? How do you shoot from the  
4 ground and stabilize the shot, whether you're on your butt, on  
5 your back, on your side, whatever? If you only have one hand  
6 to shoot back with, how do you maximize your ability to deliver  
7 accurate rapid fire when 50 percent of your upper shooting  
8 platform has just been shot away?

9 Q. Am I accurately hearing that your training, then, for the  
10 disabled shooter is pretty much the same as the training that  
11 you give to able-bodied citizens on how to deal with injuries  
12 during a gunfight?

13 A. There is a lot of crossover, but it's not identical. For  
14 example, shooting from a seated position. If we had a police  
15 officer who's ambushed from the front, and he's seat-belted  
16 into his cruiser, the car is in park, there is no time to  
17 escape, he's literally got to shoot through the windshield.  
18 From his seated position -- I will be visible from your  
19 perspective -- he could jackknife his upper body forward, get  
20 his upper body weight under the gun, and deliver very accurate  
21 rapid fire, recovering from the recoil almost as quickly as he  
22 can reset the trigger.

23 The person in the wheelchair very often will not be  
24 able to do that. The reason is, if you jackknife forward from  
25 the hips, your legs become V springs that are holding your

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1 upper body upright as your upper body weight goes forward. The  
2 paraplegic, particularly the paraplegic who is paralyzed from  
3 the chest down -- I've seen some who have to be strapped into  
4 the wheelchairs. If they try to lean their upper bodies  
5 forward, it's going to overbalance, and they fall out of the  
6 chair. So we teach them different techniques.

7 For example, I teach them, since they're going to have  
8 to lean back to stay in the chair, to shoot with what is called  
9 the Weaver stance. It's an isometric position in which both  
10 elbows are bent, the gun hand pushes, the support hand pulls.  
11 That allows recoil to -- it, essentially, turns the arms into  
12 tense skeletomuscular shock absorbers. The recoil is forced  
13 between the gun and torso. If they had tried to shoot in the  
14 more modern technique that the officer could do jackknifed  
15 forward, the locked arms will become levers. The first shot  
16 may go through the windshield. The second shot will go into  
17 the roof, unless they consciously take time to bring the gun  
18 back down, which would greatly slow their rate of return. So  
19 in areas like that, there might be some difference.

20 In many of the others, we teach them exactly the same,  
21 because so many wheelchair victims, when they're mugged, the  
22 attacker's first thing is to tip them out of the wheelchair on  
23 the ground, thinking they're going to be helpless like an  
24 upside down turtle. We emphasize with the wheelchair students  
25 how to shoot from the ground a little more than we would with

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1 the average civilian student.

2 Q. Okay. I'd like you to describe for the Court the process  
3 that you use when a disabled individual comes to you, somebody  
4 with an infirmity, a handicap of some kind. Describe the  
5 process that you use to develop training that will allow them  
6 to overcome that disability.

7 A. Sure. Well, we'll start with, at the risk of repeating  
8 from the last question, assessing, what is their disability?  
9 What are their abilities? We know now what they can't do;  
10 let's see what they can do. It may be more important for them  
11 than for a perfectly able-bodied shooter to have a gun that  
12 perfectly fits their hand. And lets them apply maximum  
13 mechanical damage to compensate for any upper body weakness  
14 they might have. We may have to place the gun differently.  
15 Most people, police or civilian, who carry concealed handguns  
16 will carry on or just behind the strong side hip.

17 If I may stand for one more moment.

18 It's a natural, easy place for the dominant hand to  
19 simply come back to and access the gun. If we have someone in  
20 a wheelchair, it's going to be much more difficult. The gun  
21 tends to be pinned between the arm of the wheelchair and the  
22 torso of the patient. And as they reach down here, they've  
23 about run out of range of movement, so they're going to have to  
24 rock significantly to the side. So people like that, we'll  
25 suggest, you know, may be a little slower for the standing guy,

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1 but we'll have you place your gun cross body. That would be  
2 the opposite hip, but forward. Gives them much better range of  
3 movement across the body, and we just show them how to safely  
4 do it on the firing range in a way not to cross any other  
5 shooter so they can practice and build their skills.

6 We will try to adapt the gun. The person who is going  
7 to have particular difficulty reloading for whatever reason is  
8 obviously that much more a candidate for a gun that has a  
9 higher reservoir of ammunition.

10 Q. All right. So you analyze the disability, you address how  
11 they might carry it, where they might carry it, where they  
12 might carry ammunition, drawing and aiming the weapon?

13 A. Right.

14 Q. Is there any identification -- and maybe that's what you  
15 were getting to a moment ago with regard to mechanical changes  
16 that might be made to the firearm itself. So, do you study the  
17 mechanical operation of the firearm in conjunction with the  
18 disability to try to figure out how the mechanical function of  
19 the firearm might be modified or how the shooter might modify a  
20 more typical approach in firing?

21 A. We do. A classic example of that would be the person with  
22 very short fingers. We have a lot of people, particularly in  
23 foreign countries, that have had industrial farming accidents,  
24 so they're missing a fingertip or something. I had one student  
25 who was a Thalidomide baby in adulthood, and all of his fingers

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1 were about as long as the median joints are of mine here. One  
2 of the things you want is going to be a pistol with shorter  
3 trigger reach. The trigger reach dimension on the gun is  
4 measured from the back strap under the grip tag, of the part  
5 that I'm indicating here, to the center of the face of the  
6 trigger, which I'm indicating here.

7 On the hand, it would be measured from the center, the  
8 web of the hand, in line with the long bones of the forearm,  
9 from this point I'm indicating here, to the contact point on  
10 the trigger finger.

11 Someone with one digit shorter than what my finger is  
12 here is barely going to be able to touch the trigger, but will  
13 not have the left leverage to pull it. My finger only went to  
14 here on a longer trigger gun. If you've got something with a  
15 shorter trigger reach, as you can see here, they'll be able to  
16 get at least -- where the joint -- with the distal joint of my  
17 finger sits here, is where their fingertip will sit, and they  
18 will be able to operate the gun effectively.

19 Q. You've gotten into -- a little ahead of us in terms of the  
20 missing shortened finger issue.

21 A. I'm sorry.

22 Q. I want to walk through the methodology you apply when  
23 attempting to develop what I'm going to call the work-around or  
24 a method by virtue of which someone with a disability can  
25 overcome that disability. And what I understood you to say,

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1 you start out by figuring out what the disability is, figuring  
2 out what aspects of carrying, firing, reloading a firearm those  
3 disabilities are going to affect; is that a fair beginning?

4 A. Correct.

5 Q. And then what's the next step in the process?

6 A. The next step in the process is get the student out  
7 actually shooting, and, basically, diagnose, how is he hitting?  
8 How is his hand interfacing with the firearm? What's his speed  
9 of recoil control, et cetera? And we adapt accordingly in  
10 terms of technique and equipment.

11 Q. So you develop ways for the disabled, injured, or infirm  
12 shooter, whether able-bodied or not, to overcome whatever the  
13 disability or injury presents?

14 A. Correct.

15 Q. Is that fair?

16 A. Yes.

17 Q. All right.

18 A. Whether by technique or equipment or combination of both.

19 Q. Can you advise the Court regarding the impact of upper body  
20 disabilities on a shooter's ability to reload. And whether  
21 it's a disability or injury, let us know if there is a  
22 difference. Otherwise, if the same is true for able-bodied  
23 injured shooters as it might be to a disabled person with a --  
24 an extremity that is either missing or rendered useless,  
25 paralyzed?



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1 A. Sure. You have to take each of them, basically, as they  
2 come. For every student who is going to have the super short  
3 fingers or the hand injury or partial or complete amputation,  
4 you're going to have several who are my age. The age is  
5 getting along, you're seeing arthritis manifestations in the  
6 hand, and they don't have the range of movement that they might  
7 have had when they were 20 or 30 or 40.

8 I'm kind of losing track here -- repeat the question.

9 Q. Sure. I'm asking you to explain how the ability to reload  
10 is adversely affected by a disability.

11 A. Thank you. Let's say that I had a shortened thumb, and we  
12 are reloading the semiautomatic pistol. With an average length  
13 thumb, it's no problem for me, being right-handed, to simply  
14 press this button inward and dump the magazine. If my thumb  
15 only came to where my median joint is, I would have to turn my  
16 hand on the gun, bring the proximal joint of my index finger  
17 under the grip tag, which would somewhat weaken my grasp of the  
18 pistol, to get that part of the thumb -- where my median joint  
19 is would be the tip of his stump, basically -- to make that  
20 press.

21 Or we could simply have him do it with the other hand,  
22 but that's going to slow him down too. Because the  
23 conventional reload, the shooting hand is dumping the magazine  
24 simultaneously with the support hand grabbing a fresh magazine  
25 to reload. Now, with the left hand, in my case, doing the

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1 right hand's job, that support hand is going to get much later  
2 to the spare magazine and will slow down the reload and  
3 lengthen that window of absolute helplessness.

4 Q. You anticipated my next question. I was going to ask why  
5 time was a problem. Thank you. How can that be overcome, the  
6 time element that you just described?

7 A. The simplest and most logical way is to have that person  
8 carry a gun, or have access to a gun if it's home defense, that  
9 has that many more cartridges in it. The more cartridges there  
10 are, the less often he will have to reload. The more  
11 cartridges there are, the longer he can stay in the fight  
12 before he has to reload.

13 Q. How, then -- taking everything you just testified to into  
14 account, how, then, did you arrive at your opinion that the  
15 ability of a disabled, infirm, or injured person to protect  
16 themselves will be adversely protected by a magazine capacity  
17 limitation?

18 A. Well, certainly, through a lifetime of study, through  
19 observation. When you look at the lower-capacity gun versus  
20 the higher-capacity gun in fully skilled hands, it becomes  
21 pretty stark. There is an organization that conducts what you  
22 might call simulated gunfighting, called IDPA, International  
23 Defensive Pistol Association.

24 At their national championships last year, the top  
25 revolver shooter in the world, a guy named Jerry Miculek,

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1 M-I-C-U-L-E-K, was shooting against the top semiautomatic  
2 pistol shooter in the world, Rob Vogel. They're shooting the  
3 exact same course of fire, the exact same number of hits  
4 required. The rules limit Miculek with the revolver to six  
5 shots, then he has to reload again, six shots, then he has to  
6 reload again, et cetera. Their rules, to keep a level playing  
7 field for semiautomatics in states that have ten-round magazine  
8 limits, is ten in the magazine, one in the chamber. So the  
9 semiautomatic shooter in that case had eleven rounds to six the  
10 other man had.

11 When you figure the time it takes to reload and the  
12 number of times you have to reload, at the end, Vogel's score  
13 was 28 percent faster than the revolver shooter. So,  
14 essentially, comparing like with like, the greatest world  
15 champions in the sports at this time, it was a 28 percent  
16 deficit to have the gun with less capacity.

17 Q. We've already done this to a certain degree, so I want to  
18 skip over anything that you have already covered in your  
19 testimony. Now is about the time I wanted to get into  
20 particular disabilities that present specific problems for  
21 handicapped or injured able-bodied shooters which adversely  
22 affect their ability to address a threat due to a magazine  
23 limitation. And you had started to talk about shortened or  
24 missing fingers, and you actually effected the demonstration of  
25 some of the issues for the Court.

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1 Are there any other points that you'd like the Court  
2 to consider with regard to how individuals with missing or  
3 shortened fingers are impacted by capacity limit on detachable  
4 box magazines?

5 A. Well, the missing or shortened fingers, if it reduces their  
6 ability to shoot fast and straight, means that a shot that had  
7 they had perfect hands and had lined up, might have struck  
8 center and ended the fight, might hit off center, leave the  
9 opponent up and running and trying to kill them and others and  
10 require them to shoot again. If you don't have any ammunition  
11 left with which to shoot again, you're back in that window of  
12 utter helplessness.

13 Q. You mentioned possible design -- mechanical design  
14 modifications to a firearm to address a problem associated with  
15 missing or shortened fingers.

16 A. One that has been suggested in some of the plaintiffs' --  
17 I'm sorry, the defendant's reports and depositions that I've  
18 read has been simply putting an extended magazine release on  
19 the semiautomatic pistol. That would work to some degree,  
20 certainly, on the range. Your problem with it is if the gun is  
21 going to be carried. The magazine button tends to extend --  
22 it's going to be generally the same diameter, a bit larger, but  
23 it will extend out away from the pistol. That means we have a  
24 protuberance that in a right-handed person's holster, coming  
25 from the left side of the gun, is going to be pressing against

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1 the left side.

2           Apart from discomfort, any time that person bumps into  
3 a door or simply leans to the right side in a wheelchair when  
4 the armchair hits it, the weight of the gun will now drive the  
5 button against the body, it will press the release, and the  
6 magazine will pop out. This means the gun is no longer  
7 functional. On some guns, if they need to draw and fire in  
8 self-defense, they will get one shot before the gun ceases to  
9 fire. Some others have a feature called a magazine  
10 disconnect safety, which means that when a magazine drops out  
11 of place, even the live round in the chamber cannot be fired.  
12 In that situation, they'd be totally helpless.

13           Carrying on the left side, since most of the pistols  
14 have the button protruding to the left, that would allow any  
15 time the edge of the chair -- the wheelchair strikes the hip,  
16 once again, the magazine is going to be released, and it will  
17 turn the whatever-many-shot pistol into a one-shot pistol, or  
18 if it has the disconnect safety, a nonfunctional,  
19 nonshootable pistol.

20 Q. All right. I want to move on, if we've covered everything  
21 dealing with adverse effects of missing or shortened fingers on  
22 the mechanical operation of the firearm, and talk about either  
23 a completely paralyzed arm or missing arm or hand and whether  
24 or not, first of all, you've trained people with those  
25 disabilities.

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1 A. I have.

2 Q. Secondly, when you're training those folks, is that similar  
3 to teaching an able-bodied person how to shoot one-handed, for  
4 example?

5 A. It is. It is very much the same, I'd say high 90th  
6 percentile commonality. What you've got there -- with only one  
7 hand on the gun, you've literally lost 50 percent of the flesh  
8 and bone that your opponent might have to control his gun.  
9 You've got to remember with even a 6 1/2 pound trigger pull,  
10 this is going to be only about a -- about a 2-pound gun once  
11 it's loaded, give or take a few ounces. Putting 6 1/2 pounds  
12 pressure suddenly on something that weighs only 2 pounds,  
13 something a third of its weight, it's very easy for that to be  
14 tripped off target. If you have a two-handed grasp, it's much  
15 easier to keep it stable on target and make those shots. So  
16 if --

17 Q. So just so I understand, what you're saying, it potentially  
18 affects accuracy?

19 A. Potentially affects accuracy. It will also dramatically  
20 affect recoil recovery. That is, the speed -- the time it's  
21 going to take from one accurate self-defense shot to the next  
22 accurate self-defense shot. Two hands could control the  
23 recoil, which takes the form of what is colloquially called  
24 kick, the gun coming back into your hand, and includes also  
25 muscle rise or muscle jumps, as the muscle levers up against



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1 the axis of the wrist.

2 Q. So one-handed shooting affects accuracy in two ways that  
3 you just described?

4 A. It affects accuracy, and it affects speed.

5 Q. Let's talk about the speed component. When you're talking  
6 about speed, are you talking about the speed to reload or  
7 replace a magazine?

8 A. No, that would be the speed to get multiple hits.

9 Q. All right. Let's talk about that, and then we'll talk  
10 about the other issue. Tell me about the speed to get multiple  
11 hits.

12 A. Okay. The speed of shooting is going to be the same one or  
13 two hands, because the same index finger is controlling the  
14 trigger. The delivery of accurate hits is what changes. Given  
15 the fact that, again, we only have half the flesh and bone to  
16 stabilize against the trigger pull weight against the  
17 trigger's -- excuse me, to stabilize the gun against the weight  
18 of the trigger pull, and we're going to have more muscle rise  
19 between shots, it's going to take longer between shots to  
20 align, hold and squeeze, bring the muscle back down from the  
21 recoil of shot one to align it for shot two.

22 You could put -- one-handed, I could shoot as fast as  
23 I can shoot two-handed. One-handed, none of us are going to be  
24 able to hit accurately as fast as we could two-handed.

25 Q. So what's a work-around? What -- what are ways that you

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1 have developed to overcome the problem with hit potential here  
2 that you've just described, or accuracy?

3 A. We teach very hard grasp, very aggressive stances.

4 May I stand?

5 *THE COURT:* You may.

6 *THE WITNESS:* It's like throwing a punch. If you're  
7 standing upright, like, on the target range, and the pistol  
8 recoil is one-handed, the gun comes up and toward your weak  
9 hand side like a lever. It's following the line of least  
10 resistance. It goes upward because the axis of the barrel is  
11 above the wrist, and it goes inward because that's where the  
12 hand is open and, therefore, the weakest. That would be  
13 happening much less if that side was closed.

14 By getting the upper body forward, we're getting body  
15 weight into it, and we can recover faster. These are fixes,  
16 but they're not perfect fixes.

17 I referred a minute ago to IDPA, International  
18 Defensive Pistol Association. In their current rules, the  
19 matches cannot put the target more than 7 yards away from the  
20 shooter when he's firing non-dominant hand or weak hand only.  
21 They cannot put the targets more than 10 yards away in a stage  
22 that requires strong hand only shooting. And the stages where  
23 two-handed shooting is allowed, the distances go to three or  
24 more times that distance. That gives you an idea of how much  
25 the one-handed versus two-handed shooting affects accuracy and

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1 speed.

2 *BY MR. COLIN:*

3 *Q.* What is the most effective way to address diminished  
4 accuracy?

5 *A.* Diminished accuracy means you're going to need more makeup  
6 shots. If you get clumsy in the golf game, you're going to  
7 need more strokes. If something has kept you from getting the  
8 bullet exactly where it needs to go, you're going to need a  
9 Mulligan, a do-over. Given that that is highly predictable,  
10 particularly for the physically handicapped individual, that  
11 means you're going to need more cartridges in the firearm.

12 *Q.* And then I had referenced time to reload. Is there an  
13 adverse effect on an individual who has been injured in a hand  
14 or an arm or if the arm is disabled, the hand is disabled, is  
15 there an adverse effect on their ability to reload?

16 *A.* Yes. The one-handed reload can be done; but it takes so  
17 much longer. It's not just increasing the time, it's literally  
18 multiplying the time.

19 It would probably be best if I demonstrated the  
20 mechanics really quick.

21 *MR. COLIN:* Your Honor, may he demonstrate from the  
22 witness stand?

23 *THE COURT:* He may.

24 *MR. COLIN:* Thank you.

25 *THE WITNESS:* Okay. We discussed before two-handed

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1 with the revolver, simply open the cylinder, support hand slaps  
2 out and grabs, loads go in, other hand closing cylinder, we're  
3 back in business.

4 But now if, let's say, all I have is my left hand only  
5 on this revolver, last shot has been fired. I can't flip it  
6 around like this without dropping it, so I've got to bring it  
7 back to my chest and let the back of the butt touch here to  
8 stabilize. Now my left hand can go under the trigger guard,  
9 and that's the only way this thumb can reach the cylinder. The  
10 fingers of this hand simultaneously have to push the cylinder  
11 out of the frame. At this point my fingers would go through  
12 the now open frame, and the thumb would hit the ejector rod to  
13 clear the shells.

14 I don't have another hand to hold it with, so I have  
15 to put it somewhere. If I had a holster on the left-hand side,  
16 I'd stick it in the holster with the cylinder up. If not, I'd  
17 shove it in the waistband. But either way, I would have to  
18 remember to hold my thumb on that ejector star we talked about,  
19 because when the ejector rod touched the clothing where the end  
20 of the holster would come up, it blocks the insertion of any  
21 fresh cartridges.

22 Once that's there, now this hand has to go to the  
23 ammunition, one cartridge at a time, if we have a pouch or  
24 maybe the speed loader. If it's the most popular type of speed  
25 loader, with a release knob that turns clockwise, as I turn

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1 clockwise, the cylinder will turn with it. So now I've got to  
2 remember to hold the finger to stabilize the cylinder. And  
3 that's a whole lot of fine motor dexterity and a whole lot of  
4 dancing going on.

5 Finally, the rounds are in the chamber, I've got to  
6 draw the gun again, use the trigger finger now to close the  
7 cylinder and come back. It takes multiple times longer than  
8 the two-hand reload.

9 *BY MR. COLIN:*

10 *Q.* What is the most effective way to address that problem?

11 *A.* The most effective way is not to have to reload because you  
12 had enough cartridges in your pistol to end the fight.

13 *Q.* Are you aware of any statistical data regarding the number  
14 of rounds in which a defensive shooter has had to fire more  
15 than 15 rounds under those circumstances?

16 *A.* No. To the best of my knowledge -- believe me, I've looked  
17 for it -- no such data exists. The reason being, there is no  
18 central repository where that kind of empirical data is  
19 gathered. We don't even have it for police nationwide. What  
20 we do have is FBI's officers killed, several every year, but  
21 that's only the officers who are murdered in the line of duty.  
22 It's not at all applicable to all gunfights, which would  
23 encompass the victory by the good guys that we hope we're  
24 looking for.

25 What we do have on the police side is, there are a

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1 couple of large departments that every year analyze and detail  
2 every shooting involving their officers. Now, if one accepts  
3 the extrapolation, the private citizens are going to be  
4 shooting in self-defense at the exact same people the police  
5 are going to be shooting in self-defense, I think it's a  
6 reasonable extrapolation.

7           Insofar as high round counts, the last year I can find  
8 for the New York City Police Department, the largest in the  
9 country, 3 percent of the shootings that year went over 16  
10 shots fired by police. On the West Coast, Los Angeles Police  
11 Department, the third largest, it was 5 percent.

12 Q. So if we're only talking about 3 to 5 percent, help me  
13 understand why that's significant.

14 A. It is significant because in a life-or-death issue,  
15 Mr. Colin, it's not about the odds, it's about the stakes. I  
16 think the best analogy I could give is, probably everyone in  
17 this room has fire insurance on their home. If the judge would  
18 ask for a show of hands, okay, how many of you have ever had  
19 your house burn down, you probably wouldn't see more than one  
20 or two hands go up. Those people would be awfully glad they  
21 have the fire insurance. Would the rest of us look at each  
22 other and say, darn, we've been cheated by the insurance  
23 company and all of those premiums because our house didn't burn  
24 down?

25           What we have for every premium, the value we got was

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1 the peace of mind. And that is, in essence, exactly what we're  
2 looking at when police or civilians select the firearm they're  
3 going to carry. The odds say, none of us, even the police, are  
4 ever going to need to shoot anyone during our career. The odds  
5 say, the cops should be able to be Andy of Mayberry and go out  
6 and do their duty without a gun at all. But in those moments  
7 when you become the 3 percent, the 5 percent, it's like the  
8 fire extinguisher -- it's like the fire insurance, the cost of  
9 not being prepared for it is so absolutely catastrophic, it is  
10 simply unacceptable.

11 Q. Thank you.

12 I'd like to move on to your training of individuals  
13 who, either due to age or some other infirmity, have  
14 experienced, perhaps not the level of disabilities to which you  
15 previously -- those profound disabilities, but nonetheless fall  
16 into that other 5 to 10 percent of your category of your  
17 students who you've had to develop work-arounds similar to the  
18 work-around for an injured shooter. Can you describe the  
19 nature of the infirmities, if you will, caused by age or  
20 illness that you've had to address in your instruction.

21 A. I'm not sure if they're caused by age or just come with it,  
22 but I'm at an age experiencing it. Essentially, there, we see  
23 more the tactical disability elements, the -- they can't move  
24 to cover or get in behind cover as effectively. The current  
25 protocol that's being put forth by the authorities for active



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1 murder attempt responses is run, hide, fight. First try to run  
2 and get away, get out of range. Second, if you can't do that,  
3 hide someplace and hope they can't see you or hope you're  
4 hiding behind something so solid they can't shoot through it  
5 and kill you. And fight only as a last resort. The person who  
6 cannot move quickly, the run part and the hide part are off the  
7 table from when the killer's first shot goes off. Their only  
8 chance is to fight.

9 Q. Stop there. So these folks with these lower-body problems  
10 that you've just described, are those similar to folks with  
11 lower-body disabilities that you've talked about, folks in  
12 wheelchairs, missing legs?

13 A. Correct. It's a matter of degree.

14 Q. Well, then, to save a little bit of time, let's combine  
15 those discussions, if we could. You talked about infirmities  
16 that affect this run, hide, fight situation. Same true of  
17 lower-body disabilities?

18 A. Yes.

19 Q. All right. And so can you describe to the Court the  
20 adverse effect of being unable to run and hide and the methods  
21 that you've developed to try to address those adverse effects.

22 A. Basically, there, you become a sitting duck, once again,  
23 that window of helplessness that we've been speaking of. I can  
24 teach them to shoot while they're moving. One of the few  
25 advantages of the slow-moving guy is he'll be able to hit

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1 better than the fast-running guy when he shoots while he's  
2 moving. But, in essence, if you cannot escape the line of fire  
3 with the opponent, if you cannot outrun the guy coming at you  
4 with a knife, the only chance you have left is to use your  
5 weapon to neutralize his threat. And that means you need  
6 enough punches to be able to throw to finish the knockout blow  
7 to end the fight.

8 Q. I've heard the word in a different context in law  
9 enforcement called cover fire; is that what you're talking  
10 about?

11 A. No. If you shoot -- the object you're shooting is to hit,  
12 particularly in a crowd situation. Again, we want -- don't  
13 want to jump into that spray and pray. The whole purpose of  
14 the gun is to deliver accurate fire, perhaps rapid fire, if  
15 necessary, that will stop the threat. Shooting while you're  
16 moving, you will have to slow down your rate of fire to get  
17 accurate hits.

18 Q. So the -- your ability to return cover fire -- or to  
19 provide the kind of defensive fire that you're talking about,  
20 is that impacted by the number of rounds that you have  
21 available to you before you reload?

22 A. Certainly, the more punches you have to throw, the more  
23 likely you are to land the punch that ends the fight. The  
24 opponent very often is behind heavy cover. You look at  
25 situations like the Trolley Square Mall mass shooting in Salt

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1 Lake City, Utah. The killer was shooting people in the Von  
2 Maur mall -- I'm sorry, I'm not sure if it was Von Maur or not  
3 -- the Trolley Square Mall. The first responder was an  
4 off-duty police officer who only had a seven-shot pistol.

5 He sees the shooter, fires the shot at him. The  
6 shooter ducks in behind the cover of a store that everybody has  
7 run out of. And every time he ducks his head out, the officer  
8 takes another shot. Doesn't hit him, but comes close, and pins  
9 him down. Everyone is stampeding to the exits. But during  
10 those moments, the killer has been diverted. He claims no more  
11 victims from then on.

12 As the young officer is -- he either ran out of  
13 ammunition or had one cartridge left, the accounts of that  
14 vary. At that moment, the second responding officer arrived,  
15 joined in the fight, pinned the guy down until the SWAT team  
16 arrived. And it took the SWAT team 14 rounds of submachine  
17 gunfire and M16 rifle fire to finally kill the killer. But it  
18 wasn't about posing, it was about sustaining fire that kept him  
19 in position. And I gather that's what you were talking about  
20 when you spoke of cover fire.

21 We saw it earlier in the classic 20th century mass  
22 murder, back in '66, the Texas tower. Charles Whitman had  
23 climbed that tower with literally a footlocker full of guns and  
24 ammunition that he rolled up on a dolly on the elevator. He  
25 opens fire from the top of the tower, more than 330 feet up.

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1 The police with .38 caliber revolvers, short-range buckshot,  
2 were helpless to stop him. Once the people down on the streets  
3 figured out what was going on and saw people falling around  
4 them, hunting rifles started coming out of pickup trucks.

5 One of the guys who returned fire was a civilian rifle  
6 competitor who had been issued a national match at 14. And if  
7 you look at the news cam footage of what happened then at the  
8 tower, you see puffs of dust coming off the parapets behind  
9 which Whitman was shooting. At that point, the last civilian  
10 victim had been killed, once he came under return fire. The  
11 ability of those multiple people from the ground to pin him  
12 down stopped the killing until another citizen with a rifle  
13 could lead two policemen to the roof and end the whole thing.

14 Those are examples of the appropriate use of cover  
15 fire, not spray and pray, nothing that endangers the public,  
16 but something that can hold -- if it can't neutralize the  
17 threat, can at least contain the threat in one spot until  
18 society's forces can be marshaled to close in on it and deal  
19 with it.

20 Q. Well, we heard at the outset of this case a list of four or  
21 five indents in which I think -- we're calling the mass  
22 shootings where multiple individuals were shot. I'd like to  
23 ask the reverse question, in the context that you've just been  
24 talking about. Are you aware of incidents where law  
25 enforcement officers, as you've previously described, fired

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1 more than 15 rounds? Did those involve multiple assailants, is  
2 that usually the case when law enforcement officer is firing  
3 more than 15 rounds?

4 A. Not necessarily. There are any number of things that could  
5 make a law enforcement officer or, for that matter, the private  
6 citizen have to go to a high round count.

7 Let's say the opponent is firing at you from a  
8 vehicle. A solidly built automobile is pretty solid cover.  
9 Most pistol bullets are going to have difficulty getting  
10 through a car door, particularly on an angle. Heavy window  
11 safety glass has the same effect. So it's going to take a lot  
12 of shots to chew into that car, make the killer inside stop  
13 shooting from there. He's not in a tank, it's only an  
14 automobile, but we don't have bazookas or antitank rockets  
15 either, so it kind of balances with small arms.

16 We see today probably more criminals wearing soft body  
17 armor during their crimes than during the time of John  
18 Dillinger in the 1930s. It's very standard among the cocaine  
19 cowboys. You saw it here in Colorado at the Aurora theater  
20 with Holmes. The actual videotape exists from 1997 of the  
21 North Hollywood bank robbery at the Bank of America. The  
22 suspects, Phillips and Matasareanu -- M-A-T-T-S-E-A-R-A-N-U, I  
23 think -- had got old military surplus flak vests. They had  
24 disassembled them prior to their robberies with tape strips and  
25 wrapped the bullet-resistant Kevlar around each other's upper

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1 arms, forearms, leaving the joints uncovered so they could flex  
2 their limbs, thighs and calves, and heavy armor around the  
3 torsos. They put on these big coveralls.

4 And if you look at the action news cam footage of the  
5 44 minutes of that shooting, they look like the Michelin tire  
6 men.

7 Police, once again, were limited to medium-caliber  
8 pistols, 9 millimeter and .38 and shotguns with buckshot. You  
9 can see these guys jerking and flinching as the bullets hit  
10 them, but they have absolutely no effect. They are using  
11 totally illegal machine guns, for which they have a four-figure  
12 round count of ammunition with them. They lay 13 good people,  
13 cops and civilians, down on the street before the SWAT team  
14 gets there and it's over. I do not recall what the round count  
15 was, but the round count was huge.

16 The running opponents or running and shooting, it's a  
17 more difficult marksmanship problem. It will take more shots  
18 to hit them. The guy who knows how to take cover, that is  
19 going to take more shots to keep him there or maybe shoot  
20 through the cover.

21 Multiple opponents. We look at the typical hit ratio  
22 on the street. New York City Police tends to run in the mid  
23 30th percentile. That is about 34, 35 percent of the shots  
24 they fire in actual combat will hit the suspect. Let's, for  
25 the sake of argument, assume the private citizen has the same

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1 hit potential, hits with the same ratio. We have three home  
2 invaders kick down the door. You're going to need three shots  
3 apiece to get one bullet into each of them. And you ask  
4 yourself, how many rounds do I have? How many rounds will it  
5 take to stop them?

6 We have cases, one out of Cook County, Illinois. A  
7 heroin addict doing a liquor store robbery. Took 33 rounds, 33  
8 hits from 9 millimeter pistols. Stayed on his feet until  
9 finally one or two shotgun blasts put him down. We have case  
10 after case where these guys just turn into bullet sponges.

11 The medical examiners tell us that since they are  
12 going through the same fight-or-flight response as the  
13 defenders, the -- the adrenaline release will leave no artifact  
14 in the body. There is no postmortem artifact to test for  
15 adrenaline like you can test for cocaine or heroin. If there  
16 was, we could never tell how much that particular person was  
17 affected by that particular internally generated substance.

18 Then you start looking at the drug use. If your  
19 assailant is on cocaine -- let's say, crack cocaine, which is  
20 an intensified form of flake cocaine -- one of the ways cocaine  
21 gives its rush is adrenaline release in the body. So he is,  
22 essentially, that much more supercharged, that much stronger,  
23 that much more capable of absorbing pain and trauma before you  
24 put him down.

25 So when you read about these situations where many,



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1 many shots were fired at the criminal before the criminal goes  
2 down, you have to remember, that's not necessarily spray and  
3 pray. It may well be any number of any combination of  
4 circumstances that kept him up and running. Real life is not  
5 like TV, where one shot is fired, and the bad guy goes flying  
6 through a plate glass window like he's scooped up by an  
7 invisible giant.

8 Q. Which he may have been on TV.

9           You've talked about a number of events where multiple  
10 rounds were fired. I'd like you to focus just for a minute on  
11 events of which you are aware in which multiple rounds, more  
12 than 15 rounds, were necessary for a civilian defensive gun  
13 use. And I'd like you to tell us whether or not you are aware  
14 of any such incidents.

15 A. The largest one I'm aware of was a man I became friends  
16 with, Harry Beckwith, in Micanopy, Florida, M-I-C-A-N-O-P-Y.

17           Harry ran a gun shop in Alachua County. There had  
18 been robberies, so he had a lot of security in place, and he  
19 lived next door to the gun shop. One night the alarm -- he  
20 hears a crash, and, of course, the alarms are going off. And  
21 he looks out, and multiple carloads of perpetrators have driven  
22 through the door and window to run in and scoop all the guns  
23 and stuff.

24           Harry is not about to put up with that, and he figures  
25 he will interject, yell at them, "stop or I'll shoot,"

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1 something like that. Harry has on a pistol. He is a licensed  
2 machine gun dealer, and he grabs a fully automatic M16 and a  
3 fully automatic 9 millimeter submachine gun. He also after the  
4 stop sees a gun in their hand coming up toward him, and he  
5 starts shooting. By the time that was over, Harry had fired  
6 more than 100 rounds. One of the perpetrators was killed, one  
7 or more wounded, all of them captured and convicted, and he was  
8 cleared by the grand jury.

9 Others I'm aware of, there was a string of I think  
10 five gunfights involving a man named Lance Thomas. He owned a  
11 watch shop and Rolex repair center in Los Angeles. After the  
12 first gunfight, he started staging multiple handguns. He had a  
13 very small workplace, not a heck of a lot bigger than this  
14 witness stand, and he had barred doors. And he would buzz in  
15 people after he looked through the window and was comfortable  
16 with their look. And a few of them got through anyway. He had  
17 a pistol staged probably every 3 or 4 feet behind the counter.  
18 It was safe in there because it was a secured workplace, and  
19 there was no chance of little kids getting at them or anything.

20 In the course of five gunfights, at least one of his  
21 went beyond 16. It was either 17 or 19 shots before the last  
22 of the multiple perpetrators was either down or had fled.

23 There was another where I debriefed the survivors.  
24 Two brothers owned a jewelry store. They called it the Beverly  
25 Hills Jewelry Store, but it was located in Richmond, Virginia.

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1 They had done something very similar. They had bought a large  
2 number of five-shot .38 revolvers and staged them behind the  
3 counter, so if there was a robbery at any point, the person  
4 behind the counter would be within a few steps of a gun to  
5 fight back with.

6 Their shootout was with two old gangster type guys,  
7 both members of the Dixie Mafia. They walked in, one with a  
8 sawed-off shotgun, one with a .45. And in the course of the  
9 firefight, I actually lost count of how many guns one brother  
10 emptied, pinning one of them down. The other brother shot and  
11 killed the perpetrator with the .45, then went to the shotgun.  
12 And between the two, they were able to finally put both of them  
13 down.

14 Q. So these multiple staged firearms seem to be a fairly --  
15 even low-capacity firearms, seem to be a fairly effective  
16 method of home defense, then, would it not?

17 A. No, not at all. What you had, particularly in the Lance  
18 Thomas case, and to a significant degree in the Beverly Hills  
19 Jewelers case, is these were in secured areas. Lance Thomas  
20 worked alone. He did not have employees, to my knowledge. The  
21 jewelry store, only trusted employees were allowed behind  
22 there.

23 In the home, I think it would be madness staging a  
24 loaded gun in instant reach every few feet. Because what are  
25 you going to do when the neighbors or the relatives come by

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1 unexpectedly with their little kids? What are you going to do  
2 when -- you know, when the burglar walks into the house while  
3 you're gone and finds, there is ten guns laying around waiting  
4 for, you know, quick draw? I would consider it not only  
5 totally impractical, but a little bit reckless to have that  
6 many loaded guns staged in plain sight and easy reach in  
7 anyone's home.

8 Q. Does the law enforcement exemption in 18-12-302 provide law  
9 enforcement officers with an advantage over armed criminals?

10 A. Only if the armed criminals obey that law.

11 Q. What about civilians, meaning, do --

12 A. I'm not sure I understand --

13 Q. Do criminals have an advantage over civilians with regard  
14 to the capacity limitations of the magazine?

15 MS. MORRILL: Objection, Your Honor. Foundation.

16 THE COURT: Sustained.

17 BY MR. COLIN:

18 Q. Have you reviewed report of a Dr. Jeffrey Zax?

19 A. I have.

20 Q. And in his report, Dr. Zax opines, "The use" -- and I'm  
21 quoting, "The use of firearms for purposes of assault seems to  
22 far exceed the use for the purposes of self-defense."

23 Do you agree with that proposition?

24 A. I do not.

25 Q. Why not?

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1 A. As I read Dr. Zax's report, he is comparing all criminal  
2 assaults with firearms to only justifiable homicides committed  
3 by private citizens. What is called in the trade DGUs,  
4 defensive gun usages, by private citizens are very much like  
5 the police. Overwhelmingly, the great majority of the time,  
6 when the gun comes out, the fight is over. The criminals  
7 submit to the officer, may even submit to a homeowner,  
8 citizen's arrest, or runs away.

9 There are a number of cases where the victim shoots  
10 the attacker, the attacker does not die, he either runs away  
11 and is arrested later or collapses at the scene. Of course,  
12 when he stops attacking, the citizen stops shooting. And none  
13 of those figure into the report that I read by Dr. Zax.

14 Q. Dr. Zax also opines that "mass shootings are more  
15 lethal" -- more lethal -- "Mass shootings are more lethal when  
16 executed using large-capacity magazines. If these magazines  
17 become less widely available, there is some chance that mass  
18 shootings will become somewhat less horrific."

19 Do you agree with that proposition?

20 MS. MORRILL: Objection, Your Honor. Foundation.

21 THE COURT: Response.

22 MR. COLIN: Your Honor, the foundation for his  
23 response to Dr. Zax's opinions has been, we believe, adequately  
24 established throughout his testimony here. He is an expert  
25 in -- well, let me withdraw that. Let me build a foundation.

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1           THE COURT: Thank you.

2       BY MR. COLIN:

3       Q. Do you know the basis upon which Dr. Zax rendered that  
4       opinion?

5       A. I would have to go back and review his report. I do not  
6       recall as I sit here.

7       Q. Then let me move on to a different topic area. Defendant  
8       suggested that the delay associated with a suspect's need to  
9       reload gives potential victims an opportunity to intervene.

10           My understanding is that you actually instruct  
11       individuals on disarming suspects; is that right?

12       A. I do.

13       Q. Do you believe that intervention is an appropriate method  
14       by virtue of which to deal with an armed suspect who has a  
15       lower magazine capacity firearm.

16       A. Well, first, let's clarify for the record, attempting to  
17       disarm is something we would only recommend if the -- if it's  
18       obvious the guy is going to kill somebody. He's just said, I'm  
19       going to kill this person, I'm going to do a countdown, or the  
20       killing has already begun. At that point, the -- any officer,  
21       any armed citizen with a gun, their best recourse would be to  
22       go to their own gun.

23           For the many who do not, it would be at that point  
24       that it would make sense to attempt to intervene. But to wait  
25       until he has expended -- okay. Let's say he's only got a

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1 15-shot magazine -- heck, let's say he's only got a ten-shot  
2 magazine. I'm standing behind him, I've heard a shot, I turn  
3 around, here is this guy behind me shooting into the crowd. Am  
4 I supposed to wait and let him shoot nine more, let him shoot  
5 fourteen more? If you're going to disarm him, disarm him now.

6 The whole concept of disarming with a firearm, why  
7 it's actually easier than with a knife, is the firearm only  
8 directs its force in one very specific direction. If you can  
9 get in behind the muzzle of the gun and you know how to apply  
10 leverage, you have a very good fighting chance of disarming him  
11 now. The recoiling slide of the pistol as he pulls the trigger  
12 might give you minor cuts on your hands. You could fix that  
13 with a bandaid. The very hot barrel of, let's say, a machine  
14 gun, there is going to be a burn on your hand that is going to  
15 heal.

16 The rationale of waiting until he runs dry allows him  
17 to kill numerous victims. And what's to say during that  
18 period, he won't kill you. If you're close enough to grab him  
19 and disarm him, you're close enough to be one of the primary  
20 targets.

21 Q. Are you aware of circumstances where that's occurred?

22 A. Yes.

23 Q. Can you describe that, please.

24 A. Let's look at one of the most recent. Sparks, Nevada,  
25 last year. A 12-year-old kid brings a gun to school, starts



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1 shooting. The math teacher attempts to get the gun away from  
2 him. He didn't -- my reading of it is, he didn't jump him. He  
3 was approaching him and trying to talk to him down. He never  
4 got there. The kid shot him in the chest and killed him, then  
5 committed suicide.

6 Your classic sample, Sandy Hook. You look at the  
7 first victim, Dawn Hochsprung. She's about 5 feet 2 inches  
8 tall. Lanza literally shoots his way through that front door.  
9 She charged him. She charged him, clearly going for an attempt  
10 to disarm. Going from the front on a guy who has got the gun  
11 up is hopeless. She was the first to die, and the dominoes  
12 fall from there.

13 Where you'll see the successful disarm will be the  
14 very physically strong person who is in a position. The -- I  
15 want to say it was the Barry Loukaitis mass shooting,  
16 L-O-U-K-A-T-I-S. Loukaitis was a 14-year-old boy who went to  
17 school and opened fire. A large male gym teacher jumps him,  
18 diverts the muzzle of the gun, and wrestles him down and gets  
19 the gun away. If you can get onto the gun without being shot,  
20 you're a large male gym teacher against an average-sized kid,  
21 God bless that man for doing that. But most people will not  
22 have that physical advantage.

23 In New Hampshire, 1997, the Carl Drega murder spree.  
24 Drega had murdered two state troopers. He had hunted down the  
25 local judge that he hated, Judge Vickie Bunnell, and shot her

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1 in the back. A man named Dennis Joos, J-O-O-S, a physically  
2 small man, a newspaper publisher whose office was next door to  
3 Judge Bunnell's, jumped him and tried to get the gun away from  
4 him. Drega, who was 6-foot 3, 240 pounds, and rock solid, just  
5 knocked him to the ground, said, Mind your own F-ing business,  
6 and shot him dead.

7 What that tells us is, there are the occasional  
8 successful disarms. If we tell the public, hey, we're going to  
9 try to give you a little opening here so it will be safe for  
10 you to jump the guy and get the gun away, that means nobody is  
11 going to try to disarm him until all of those rounds have been  
12 fired and X number of those victims have been claimed. So in  
13 the end, I don't think there is going to be a whole lot of  
14 change in the victim count based on round count, particularly  
15 because the great majority of these things have involved guns  
16 that were not the so-called high-capacity magazines under  
17 discussion today.

18 Q. Thank you.

19 I have no further questions of this witness.

20 THE COURT: I think this might be a good time to take  
21 our afternoon recess. The court clock is showing about 2:40,  
22 and we'll reconvene at 2:55. We'll stand in recess until then.

23 (Recess at 2:39 p.m.)

24 (In open court at 3:04 p.m.)

25 THE COURT: Are we ready for cross-examination?

Massad Ayooob - Direct

1           *MS. MORRILL:* Thank you, Your Honor. We have no  
2 cross-examination for this witness.

3           *THE COURT:* Thank you.

4           Can this witness step down and be excused?

5           *MR. COLIN:* He may. I would ask to withdraw Exhibits  
6 93 and 94, please.

7           *THE COURT:* Any objection?

8           *MS. MORRILL:* No objection.

9           *THE COURT:* All right. Then, thank you very much,  
10 sir. You may step down. You are excused.

11           And Exhibits 93 and 94 are withdrawn. I think that  
12 means they go back into the briefcase.

13           *MR. COLIN:* I'm hoping. The person who brought them  
14 is here to take them.

15           *THE COURT:* Would you call your next witness, please.

16           *MR. COLIN:* Sorry?

17           *THE COURT:* Next witness.

18           *MR. FABIAN:* Thank you, Your Honor. Plaintiff would  
19 call Dave Gill.

20           *THE COURT:* Thank you.

21           **(DAVE GILL, PLAINTIFFS' WITNESS, SWORN)**

22           *COURTROOM DEPUTY:* Please be seated.

23           Please state your name and spell your first and last  
24 name for the record.

25           *THE WITNESS:* Dave Gill, D-A-V-E, Gill, G-I-L-L.

John Cooke - Direct

1           THE COURT: You either admit the documents or we don't  
2 admit the documents.

3           MR. GROVE: Okay.

4           THE COURT: So, again, I would be real mindful of how  
5 you want to use these particular documents.

6           MR. GROVE: Thank you, Your Honor.

7           THE COURT: Thank you.

8           Anything else we need to address before we recess for  
9 the afternoon?

10          MR. WESTFALL: No.

11          THE COURT: Okay. I'll look forward to seeing you all  
12 at 8:30 tomorrow morning. We'll stand in recess until then.

13          (Recess at 4:51 p.m.)

14                               REPORTER'S CERTIFICATE

15  
16          I certify that the foregoing is a correct transcript from  
17 the record of proceedings in the above-entitled matter.

18          Dated at Denver, Colorado, this 22nd day of May, 2014.

19   s/Therese Lindblom

20   \_\_\_\_\_  
21   Therese Lindblom, CSR, RMR, CRR

22

23

24

25

John Cooke - Direct

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## **EXHIBIT AYOOB-3**



## Disarming Mass Murderers

By Massad Ayoob

### Situation:

Some gun grabbers seek magazine capacity limits, citing the theory it'll force mass murderers to reload sooner — allowing them to be disarmed by citizens and thus reducing potential death toll.

### Lesson:

There are faster ways to stop mass murderers; disarming is a risky strategy at best. In most cases, mass murderers and spree killers carry multiple guns — and they're not going to give them up to unarmed citizens.

When legislation is introduced to ban or criminalize so-called “high-capacity magazines,” one argument always cited by gun grabbers is it will force mass-murderers to reload sooner — creating a window of opportunity in which some heroic citizen can disarm them and stop the killing. There are, of course, several things wrong with this hypothesis. One is the unrealistic assumption someone who's willing to commit mass murder won't be willing to access and use an illegal magazine.

Tactically, how likely is it there will be someone close enough to jump a gunman caught at slide-lock without the rescuer already (being in such close proximity to the murderer) shot before he could even make the disarming attempt? To find the answer, we have to look deeply into the history of such incidents.

### Disarms During Reloading ... or Not?

Two incidents seem to be most often cited by those who demand reduced magazine capacity. One is the capture of Jared Loughner after the murder spree in Tucson in which he killed six people and wounded a dozen more, including US Representative Gabrielle Giffords. The other is the capture of Colin Ferguson, which ended the Long Island Railroad train massacre, which claimed six lives and left 19 more people wounded. In each case, multiple people were able to overpower the killer at a point when his weapon was no longer shootable. It should be noted, however, accounts of how it



happened seem to differ among the witnesses. In the case of Loughner, we know Patricia Maisch ended up holding one of his magazines. Some of Ms. Maisch's accounts make it sound as if she ripped it from his hand, while in others, she seems to say he dropped it and she picked it up.

However, Loughner was carrying multiple magazines, and at least one witness insists he had already reloaded a fresh magazine — but had somehow jammed the Glock 19 while attempting to complete the reload. In the Long Island Railroad massacre, Ferguson reloaded at least once and sustained fire. His Ruger P89 had apparently run dry at the time he was rushed and overpowered by unarmed citizens. Accounts differ as to whether Ferguson was attempting to reload a third full magazine at this time, or had shot all his magazines empty and was trying to insert loose cartridges into one of the empty mags.

Thus, it remains possible Loughner was successfully disarmed, not because he was reloading per se, but because he had jammed his already-reloaded gun. If in fact Ferguson had run out of loaded magazines, he was de facto more “out of ammunition” than he was “reloading” at the time he was overpowered and disarmed. Details, details ...

There have been successful disarms in public shootings; let's take a look.

### **Successful Disarms**

In Moses Lake, Wash., 14-year-old Barry Loukaitis opened fire at the middle school he attended. Armed with a .30-30 rifle, .357 Magnum revolver, .25 auto and 78 rounds of ammunition, he killed three victims and wounded a fourth before a gym coach was able to wrestle the rifle away from him and hold him down. Note: the courageous gym teacher didn't let the murderer keep shooting and killing until he ran empty — he got the .30-30 away from the young murderer while it was still loaded. If you're going to attempt a disarm, this strategy would seem likely to save the most lives.

In June 2014, Aaron Ybarra, 26, opened fire at Seattle Pacific University. He killed one and injured three, and was then pepper-sprayed and overpowered by student monitor Jon Meis. According to one report, the killer's weapon was a double-barrel shotgun, in poor repair and capable of firing only one barrel — for all practical intents and purposes, a single-shot weapon. While this in no way detracts from the courage displayed by the heroic Jon Meis, it's not common for mass murderers to use single-shot weapons.

Another young hero to emerge from a mass murder atrocity is Jacob Ryker. Kip Kinkel, 15, murdered his parents and gained control of a Ruger 10/22 rifle, Ruger MK II .22 pistol and 9mm Glock 19. He took them to his school in Springfield, Ore., with an ample supply of ammunition and opened fire. His barrage had killed four people and wounded 25 more when one of those wounded students, young Mr. Ryker, jumped him as the killer reloaded the rifle.

However, Kinkel had armed himself with multiple weapons. During the struggle, he drew the 9mm and fired, wounding Ryker again and also another student. Then according to accounts, Ryker, now joined by six other students, was able to finally disarm him and gain physical control. By then, Kinkel had fired a total of 51 rounds, 37 of which struck human targets.

### **When It Goes Wrong**

Getting a gun away from a killer isn't easy. Good people have died in the attempt. In the Luby's Cafeteria massacre in Killeen, Texas, George Hennard drove his pickup truck through the plate glass window of the restaurant and stepped out with a Ruger P89 and a Glock 17. He shot 43 people, 23 fatally. In the midst of the slaughter, Al Hupp attempted to disarm the madman.

He wasn't successful. Hennard shot him in the chest with one of the pistols, mortally wounding him. As Hupp's wife cradled her dying husband, Hennard shot her dead too. When police arrived and he tasted return fire, Hennard killed himself.

This atrocity occurred before the passage of shall-issue concealed carry in Texas. Suzanna Gratia-Hupp, the murdered couple's daughter, had left her S&W .38 in her parked vehicle according to Texas law. She was certain she could have neutralized Hennard early in the encounter had her gun been within reach. Instead, she endured the horror of watching her parents murdered. Ever since, Suzanna Gratia-Hupp has been one of our most eloquent and poignant spokespersons for armed citizens and lawful concealed carry.

Perhaps the most glaringly conspicuous failure to disarm occurred during the mass murder that most tore at America's heart: Sandy Hook. The first to die was petite school principal Dawn Hochsprung. As quintessential loser Adam Lanza blasted his way through the locked door of the school, she ran at him in what could only be construed as an attempt to disarm and restrain.

She apparently never got within touching distance before he shot her down. Later, with 20 helpless children and six brave but helpless adults dead at his hands, he blew his brains out as soon as police arrived.

In Colebrook, N.H., a bitter old man named Carl Drega went on a murder rampage, assassinating two state troopers and a female judge he hated. As he left the latter murder scene, newspaper editor Dennis Joos attempted to get his rifle away from him. Drega reportedly snarled, "Mind your own f—ing business," threw Joos to the sidewalk, and killed him with multiple gunshots. After a manhunt in which multiple lawmen were wounded, Drega was shot and killed by police.

What about verbally convincing the gunman to just put down the gun? This strategy doesn't have a promising history. In 2013, a 12-year-old boy came to school with a gun in

Sparks, Nev. Teacher Michael Landsberry tried to “talk him down.” The boy shot and killed the teacher, and then committed suicide.

### **Physical Mismatches**

If you’re close enough to grab the offender as soon as he starts shooting — and actually know how to do it — you have a reasonable chance of succeeding. Unfortunately if you’re close, you’ll very likely be one of the first victims of his criminal gunfire, perhaps before you can act. There is also the matter of relative physical strength. In the Loukaitis incident, an adult male gym teacher was able to overpower a 14-year-old boy who, judging by his photos, was physically unimposing.

In the Drega murders, Dennis Joos wasn’t a physically large or especially strong man, and was up against a rugged, muscular killer who stood over 6’ tall and weighed well over 200 pounds. This disparity made Joos all the more a hero in his last moments, but at the end, a dead hero.

And let’s not forget, the opponent may have multiple guns; it’s going to be awfully hard to disarm him if he’s not in surrender mode. Though most accounts of the Drega murders have him killing Joos with the same .223 he used on his first three victims, the Wikipedia story on the case as of this summer states, “During the struggle Drega shot and killed Joos with a second firearm.” And we recall Jacob Ryker was wounded in the Kinkel incident when the punk he was disarming drew a second gun and shot him and another boy.

### **Multiple Guns**

Ron Borsch is a retired career lawman and SWAT cop, whose second career was as head of the Southeast Area Law Enforcement Academy in Bedford, Ohio. A pioneer in the concept of lone-officer response to active mass murder incidents, he’s one of the nation’s leading authorities on this sort of terrible event. When he and I were both instructing at the International Law Enforcement Educators and Trainers Association (ILEETA) conference earlier this year, I asked him how many of the mass killers he studied had been armed with multiple guns. “Well over half,” he answered.

This isn’t new. One of the worst mass murderers in American history goes back to Civil War times, “Bloody Bill” Anderson, a senior officer in Quantrill’s Raiders. The trademark of these guerrillas was carrying multiple revolvers, usually .36-caliber Navy Colts. When he was killed in a shootout with Union troops, an eyewitness to Anderson’s death said, “Bloody Bill had four revolvers buckled around him and two very large ones across the saddle.”

In 1966, Charles Whitman ascended the Texas Tower in Austin with so many guns and ammunition he had them in a footlocker, which he rolled into the elevator on a dolly. He murdered 17 people and wounded 32 more from his lofty perch immune to .38-caliber revolver fire and 12-ga. buckshot from police, until rifle fire from armed citizens on the

ground pinned him down. Another armed citizen led police to his sniper's nest atop the tower, where they killed him.

The term "going postal" came in large part from Patrick Sherrill's death orgy in the Edmond, Okla., Post Office (14 dead, six wounded, perpetrator took own life). Sherrill was armed with two 1911 .45's he had been issued by the National Guard, and a .22 target pistol of his own.

The list goes on. James Holmes in the Aurora, Colo., theater: AR-15 with high-capacity magazine which jammed early on, 12-ga. Remington 870 and two Glock 22 pistols, one on his person and one in his car. He surrendered as soon as police confronted him. By then, he had shot 82 helpless people in his chosen "Gun-Free Zone," a dozen of them fatally. He, like the other multiple-armed perpetrators discussed here, would have been tough to disarm.

### **A Better Strategy**

When a monster with a lethal weapon attempts wholesale murder of the innocent, what's a better strategy than expecting untrained potential victims to grapple with them?

Quite simply, have a trained, armed person in place to suppress them.

A few months before the Aurora theater atrocity, another incident happened in the same city, which the national media chose to virtually ignore. On April 22, 2012, Kiarron Parker opened fire outside a church in Aurora, killing the pastor's mother. Instantly, one member of the congregation — an off-duty Denver Police officer named Antonio Milow — drew his own handgun and shot and killed Kiarron before he could wreak any more mayhem.

In 2007, also in Colorado, psycho loser Matthew Murray shot multiple people at one church then went to another, where he opened fire and shot more victims. Then, Jeanne Assam — a former cop, working as volunteer church security — ran at him with a Beretta 92 in her hands, firing as she went. She hit him with bullet after 124-gr. 9mm JHP bullet, and he went down with just enough life force left to shoot himself. The pastor of the church later credited Assam with saving 100 or more lives. A detailed account of this incident can be found in the Ayoob Files archives here at American Handgunner.

Luke Woodham, 16, stabbed and bludgeoned his mother to death to get the keys to his estranged father's gun cabinet, where he took a Marlin .30-30 rifle and headed to his high school in Pearl, Miss. He shot nine of his teenage schoolmates, killing two.

As he drove out of the parking lot — on course to a nearby junior high school, and still armed with the rifle and more ammunition — Woodham was taken at gunpoint by Vice Principal Joel Myrick, who had sprinted to the parking lot to retrieve a Colt .45 auto from his truck. The killer stopped his car, exited and went to the ground in front of the armed teacher squealing, "The world has wronged me, Mr. Myrick!" A detailed account of this event is also in the Ayoob Files archives.

## Lessons

Waiting for the gunman to run empty and then jumping him for the gun, no matter how many rounds it was loaded with, is simply not as viable of a strategy as it sounds. History teaches us another strategy works much better.

This strategy is born in reality: In almost every one of these highly-publicized mass murder/killing spree incidents, as soon as the gunman is met with return fire he ceases shooting innocent people and either is killed, kills himself or surrenders soon thereafter. Unarmed, untrained people attempting disarms sometimes actually prevailed, but oftentimes were hurt or killed in the attempt.

Those who would commit the most rigidly prohibited crimes in the history of civilization are certainly not likely to be deterred by a law limiting magazine capacity. The only people who can be realistically expected to obey such laws are, by definition, the law-abiding and not the law-breakers.

When in the wake of the Sandy Hook atrocity, NRA spokesman Wayne LaPierre said the only thing capable of stopping a bad guy with a gun was a good guy with a gun, he was shouted down and excoriated by the mass media. Yet, history and reality combine to show he spoke the absolute truth.

After the Ma'alot Massacre, Israel put armed good guys into their schools; many of them school personnel and student family members who volunteered to be trained for the job by Mishmar Ezrachi, the Israeli civil guard. Terrorist attacks on schoolchildren plummeted.

Here in the US, intended mass school shootings have been short-circuited by armed SRO's, school resource officers from local law enforcement agencies. An increasing number of school systems are, to the horror of the gun grabbers, quietly arming and training volunteer personnel to perform the same function as the Israeli model. Discreet arming of church volunteers for the protection of the congregation seems to have become even more widespread.

We can only wonder what might have happened if the courageous principal of Sandy Hook Elementary School, Dawn Hochsprung, had been armed and capable of dealing with Adam Lanza on that terrible day in December 2012. She died courageously, trying to defend the little children and the adult staff for whom she was responsible. Her empty hands rendered her brave spirit futile, and we all know what happened next.

If instead those empty hands had held Jeanne Assam's Beretta 92 with the same skill. If ...

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## **EXHIBIT AYOOB-4**





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# THE AYOOB FILES

MASSAD AYOOB

## THE BRUNSWICK MASSACRE

**SITUATION:** A madman shoots dozens of people — until a citizen with a gun drops him in his tracks.

**LESSON:** When NRA's Wayne LaPierre famously said, "The only way to stop a bad guy with a gun is a good guy with a gun," he had the weight of history behind him.

Monroe Phillips was a big man physically who had always hoped to be a big man socially, but it hadn't turned out well. His business interests in timber and real estate had failed, probably because people found him surly and unpleasant. He'd always spoken of many people conspiring against him, and paranoia doesn't attract customers or business associates. On May 6, 1915, he and his lawyer had an appointment to sit down with a judge and the attorney for some of his creditors, Col. Harry Dunwoody, who was what Phillips had long wanted to be: one of the most prominent men in their town of Brunswick, Ga.

Phillips' wife informed him of a phone conversation she'd just had with lawyer Dunwoody. The man had insulted her, she reported. She'd sold a lighter (a type of barge) for a \$75 down payment, and the lawyer said property was attached, in essence accusing her of trying to steal the money.

"I'll go and speak with Dunwoody," Phillips told his wife. When she heard those words, she couldn't have realized she would never see her husband alive again.

### The Murders Begin

Dunwoody's secretary, Ila Lee, was at the reception desk of Dunwoody's second-floor law office at the corner of Newcastle and Gloucester Streets in Brunswick when the hulking Phillips strode through the front door and demanded to see Dunwoody. She told him the lawyer was busy and couldn't see him. Phillips simply brushed past her.

She watched him kick open the door to her boss's office, and then saw the shotgun he was raising to his shoulder. She heard a deafening blast and fled from her desk into the office legal library. Behind her, another shotgun blast exploded.

She heard Phillips leave and emerged from the library to peek into Dunwoody's office. She saw her employer in his chair, what was left of his head lolling backward; he had taken a full 10-gauge charge of buckshot in the face, killing him instantly. On the floor lay the man he had been in conference with, A.M. Way, his face a bloody mask with a ruined eyeball hanging out of its socket. She didn't know the killer was just outside the door in the second-floor hallway, reloading.

### Death in the Stairwell

The roar of the powerful 10-gauge had been heard in the street, and passersby were gathering at the floor-level door and entryway to see what was going on. At this point, Phillips — who had thumbed two more big shells into the twin barrels of his huge Parker shotgun — looked down the staircase he had just ascended and saw his next victims.

The men below were caught in a fatal funnel. Phillips threw the shotgun to his shoulder and fired both barrels. One of the men he aimed at collapsed instantly, while the other, though visibly hit, remained on his feet.

On the floor, riddled with buckshot and dying, was C.L. Padgett. Padgett had been a Brunswick police officer. He was not on-duty at this time, having taken a job as a motorman, and historical accounts conflict as to whether he was associated with the BPD at the time Phillips shot him. However, Padgett was well known in town, and it's reasonable to assume Phillips recognized him as "a cop." The other man, whom Phillips had only wounded in the right leg, was attorney Eustace Butts.

It must have been an interesting tableau in the long seconds which followed: Phillips perhaps realized if the downed Padgett had a gun on him, Butts could reach it and shoot him before he could reload his empty shotgun. And Butts probably realized he couldn't make it up the stairs and attempt a disarm with a wounded leg.

*Continued on page 82*



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## AYOOB FILES

*Continued from page 46*

Instead, Phillips broke open his Parker to reload from his pocket, and Butts and other citizens quickly dragged Padgett back out the door and out of the line of fire.

### **The Rampage Continues**

Phillips, having reloaded, now proceeded down the staircase to the office door of another nemesis, prominent businessman and real estate magnate Albert Fendig, whom Phillips had publicly accused of swindling him out of \$25,000 in a real estate deal. He discovered the target of his hatred was not in, but Phillips did confront one W.K. Boston. "I'm not going to kill you," he said to Boston. "You've been my friend."

It was a courtesy the killer would extend to no one else.

Bursting out the front door of the office building, Phillips blindly fired a shotgun blast into Kaiser's Store across the street, where a number of women were shopping. The buckshot shattered the display window, sending lead and glass flying through the store. No one was hit, but the customers fled in panic.

On the sidewalk, Phillips ran his big shotgun like an automaton. His sequence was fire once, open the action, pluck out the empty, replace it with another long shotshell pulled from his pocket, close the gun and fire again.

His eye fell upon a long-time local cop, George Asbell, who was moving across the street. Asbell had also left the police department to become a motorman, but the killer either didn't know or didn't care. Phillips carefully aimed at him and fired. The buckshot charge caught Asbell in the back of the head, killing him instantly.

As pedestrians realized what was happening and ran, the madman had fewer targets, but his spreading shot patterns were able to hit more victims at once at the greater distances. Evidence would later show when he filled his pockets with shells, Phillips had, perhaps inadvertently, included some small birdshot rounds in with the buckshot. This likely changed many victims who would have been "dead" to "wounded."

Some of the wounded were also hit at distances far enough to render even Phillips' buckshot impotent. "Several persons standing blocks away were struck by stray shots," the New York Times would report the next day. The first L.E. officer to return fire on the mass murderer was special agent S.A. Ellard of the Southern Railway police. Shot from the front, "A number of buckshot (sic) lodged in Ellard's face.

"When Phillips backed down the street loading and firing his gun Ellard



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ducked behind a telephone post, whipped on (sic) his revolver and joined in the fusillade which was being rained upon the madman," the Atlanta Constitution reported two days after the shooting. If Ellard was far enough away buckshot pellets "lodged" in his face from the front, it is understandable his revolver fire took no effect.

By all accounts other than the Constitution's, there was no "fusillade being rained" upon Phillips as yet.

But it was about to come.

### Citizens Arm Themselves

Almost simultaneously, two citizens took it upon themselves to get guns. Both of them made their way to the nearest gun shop, the United Supply Company hardware store. One was Eustace Butts, still bleeding from his wounded leg, the lawyer who had dragged the dying ex-cop from the foot of the office building stairs minutes before. The other was a young man named Ralph Minehan.

Minehan got a .32-caliber revolver and cartridges to hastily shove into its five chambers; reports indicate he had to pay for it. Butts demanded a shotgun, and specifically requested #3 birdshot for it because, he said, he didn't want to kill the gunman, just stop him. The counterman, either in a hurry or a helluva lot smarter than Butts, gave him buckshot. The record does not show whether cash was demanded for the scattergun.

### Armed Citizens End It

It wasn't far from where the shooting started to Branch's Pharmacy, where the mass murderer next made entry. It was at this point the first uniformed Brunswick Police officer was able to run to the shooting scene. Young Rexford Deaver saw the gunman, and opened fire. It's believed he hit Phillips. However, the bulky gunman didn't go down. Instead, he was seen to aim his gun at the rookie cop and fire. The 10-gauge blast caught Deaver, only 60 days on the job, in the chest. He fell, mortally wounded.

Meanwhile, the two armed citizens had entered the drug store from behind the madman and pinpointed his location. Minehan fired first, emptying his revolver as fast as he could pull the trigger. It's believed at least one of his bullets struck the gunman, but Monroe Phillips was big and .32-caliber bullets are small, and the raging mass murderer was still on his feet and armed.

It was then Butts discharged a single round. He said later he was trying to shoot the gun out of the big man's hands, but his shotgun blast hit Phillips in the kidneys. Phillips dropped his gun and collapsed.

It was over. "Well, you've just about got me," witnesses heard the murderer say. "Finish it up."

No one fired again. It was already

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finished. The murderer quickly bled out and died on the drug store floor.

### Aftermath

Five innocent people died at the scene from Monroe Phillips' mad dog shooting spree. Mr. Way, the second shooting victim, amazingly survived, though he lost an eye and suffered horrendous facial injuries from the point-blank buckshot blast: remember, a 10-gauge dispenses about a "double dose" compared to a 12-gauge.

A total of 32 people were reported to be wounded by the killer's fire, two of whom would die from their injuries, and at least one, many years later, would be said to have died sooner than he should have, at least in part from the old wounds inflicted on him during what became known as the Brunswick Massacre.

This atrocity occurred a century ago. We have to remember forensic investigation, then, was primitive compared to our standards today. Once the investigators knew "who killed who," the case was closed and no further resources were wasted on research.

To this day, the records don't seem to show what make, model, gauge or type of shotgun the hastily-armed citizen Eustace Butts used to stop Monroe Phillips. We do know from contemporary newspaper reports of the autopsy Butts' shotgun blast was indeed the fatal shot, shredding the gunman's kidneys. (The Glynn County Coroner's Office did not return multiple phone calls, and we can't be sure the autopsy report even exists today.)

Nor do we know what make and model of revolver Ralph Minehan used in his courageous attempt to stop the killer, but all reports agree it was .32-caliber and apparently 5-shot. Early accounts had Phillips murdering Padgett and wounding Butts outside the building, but later newspaper articles with info gathered after everything calmed down indicated the sequence described here.

### A Mystery Solved

One mystery in all of this is no revolver bullet larger than .32-caliber was recovered, according to newspaper descriptions of Phillips' autopsy report in 1915. Local Brunswick history and the lore of the Brunswick PD hold the heroic rookie cop Rex Deaver shot Phillips before the killer slew him. Yet it has been written Brunswick cops carried .38's back then, which would have made it impossible for Deaver to shoot his killer before being murdered.

We found the answer, thanks to Captain Kevin Jones of the Brunswick PD, who among other achievements could be described as his agency's resident historian. When I visited there researching this case a century later,

Captain Jones told me in the early days of the department, cops bought their own guns and often went with whatever was cheapest. A grandson of the slain hero cop, also bearing the name Rex Deaver, was chief of the department in the mid-20th century.

Captain Jones was able to put me in touch with a still-living descendant, Kirk Quarterman. Quarterman, a career lawman himself, oddly enough, tells me the hero rookie's privately-owned service revolver used on the fateful day is still in the family's possession. He has seen it, a 4" S&W Hand Ejector, with ivory grips — in .32.

Therefore, it would appear to be entirely possible slain hero cop Rex Deaver, and armed citizens Ralph Minehan and Eustace Butts, all had a part in putting bullets into the madman who finally stopped hurting innocent people when enough good guys with guns put enough lead into him. It remains uncontested it was the shotgun blast fired by armed citizen Butts which decisively dropped Monroe Phillips and ended his rampage.

### Lessons

We're reminded why American cops don't carry .32's anymore, even though they were quite common in the late 19th century, at least on the East Coast for this purpose, and fairly common well into the 20th. They use something bigger — ideally, something a lot bigger — to stop rampaging psychos. Brunswick, Ga., cops today carry Glock .40's and have more substantial weaponry in their patrol cars for just such emergencies.

We learn "copycat mass murders" aren't unique to the late 20th and early 21st centuries. One historian reports another mass murder was committed in Macon, Ga., 10 days after the Brunswick Massacre by an unbalanced young man who was reportedly obsessed with what had just happened in Brunswick.

We're reminded of why first responders armed and ready to shoot back at a moment's notice is important. If the courageous lawyer Eustace Butts had been armed when Phillips ran his shotgun empty in the stairwell, the toll in Brunswick could have stopped at only two victims killed and two wounded. Instead, Butts had to drag his wounded leg to a hardware store to get a gun, while a merciless clock was ticking and an equally merciless killer's trigger finger was working.

Today, Georgia is a "shall-issue" state. In 1915, it would have taken a relatively significant amount of money to get a permit to carry a handgun. It's not prohibitively expensive to carry there; had it been this way then, a citizen with his own gun might have been more likely to be present, and able to stop Phillips sooner.

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on the job can carry guns under the Law Enforcement Officers Safety Act of 2004. It wasn't so back then. Had it been, former policemen Padgett and Asbell would've been legal to carry, and either might have been able to stop the rampage before Monroe Phillips could rack up the death toll he did. Instead, both ex-cops apparently died unarmed and helpless.

Today, gun-banners insist law-abiding citizens shouldn't have "high-capacity magazines" in the name of preventing mass murders, and citizens don't need guns at all because they can just jump mass murderers and disarm them when they're reloading. A hundred years ago, the madman Monroe Phillips showed both ideas to be false. He shot some three dozen people with a 2-shot 19th century vintage Parker 10-gauge shotgun.

**“We're reminded why American cops don't carry .32's anymore, even though they were quite common in the late 19th century, at least on the East Coast for this purpose, and fairly common well into the 20th.”**

No one was able to disarm him because, as eyewitness Dr. G.W. Blanton told the Brunswick News a few days after the shooting, Phillips was running the double-barrel with what we would call today a "tactical reload." Having been caught flat-footed with an empty gun in his second barrage when he stood at the top of a stairwell, the crafty murderer thereafter kept one live shell in one chamber, ready to fire with a quick movement — which simply closed the action. Dr. Blanton told the newspaper he had been waiting for Phillips to run dry so he or someone else could jump him and disarm him, but Phillips never gave them the opportunity. Never underestimate your opponent!

Let me close this history lesson with deepest thanks to Captain Kevin Jones of the Brunswick PD for his assistance. This article is dedicated to the memory of the courageous armed citizens and law enforcement personnel who ended this murderous rampage a century ago, an incident from which more should have been learned in the intervening years.



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